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The CHEMIST AND DRUGGIST

Established 1859 28 Essex Street, Strand, London, W.C.2 *Registered as a Newspaper*

No. 2819.
VOL. CXX.

FEBRUARY 17, 1934

Annual Subscription (with Diary) 20/-. *Single Copies* 9d.

Embodying the usual Meggeson standard of purity and excellence

WHOLESALE 6/6 per doz. net
Also packed in larger size tins
12/6 per doz. net. Retail 1/9 P.A.T.A.

MEGGESON & Co. LTD.

Telephone: BERMONDSEY 1741 - 1742
Private Branch Exchange

ESTABLISHED OVER 130 YEARS
BERMONDSEY, LONDON

Index to Advertisers, pp. 5 & 6.

A new showcard now ready . . .

to help you sell a first-class product . . .

Length :
5—6 yards stretched.
2″ 2½″ 3″ wide
1/3 1/6 1/9 each
Flesh or Cream
4″, 5″ and 6″ wide
Cream shade only
In display boxes of six.
Trade prices 33⅓% less.

ELASTOCRÊPE BANDAGES

Super elastic cloth, non-adhesive, washable, smooth texture, and with exceptional tensile strength, for varicose veins support, weak joints, etc. Elastocrêpe affords better and more constant support than the usual type of crêpe bandage.

Send a postcard now for one of these attractive showcards, literature and prices to:

T. J. SMITH & NEPHEW LTD.,

DEPT. C., NEPTUNE ST., HULL

Manufacturers of Elastoplast Products and Paragon Brand Surgical Dressings

ORDER FROM YOUR WHOLESALER

Increase your Sales of 3d. Pills

These sales aids will bring you more customers and increase your turnover of this profitable series of PACKED PILLS

FREE with 1 gross assorted. Composite card displaying 8 varieties

18/- gross
16/6 5 gross
15/- 10 gross

Streamers, Show-outers, centre cards and separate showcards supplied with each order

FREE with 6 gross assorted

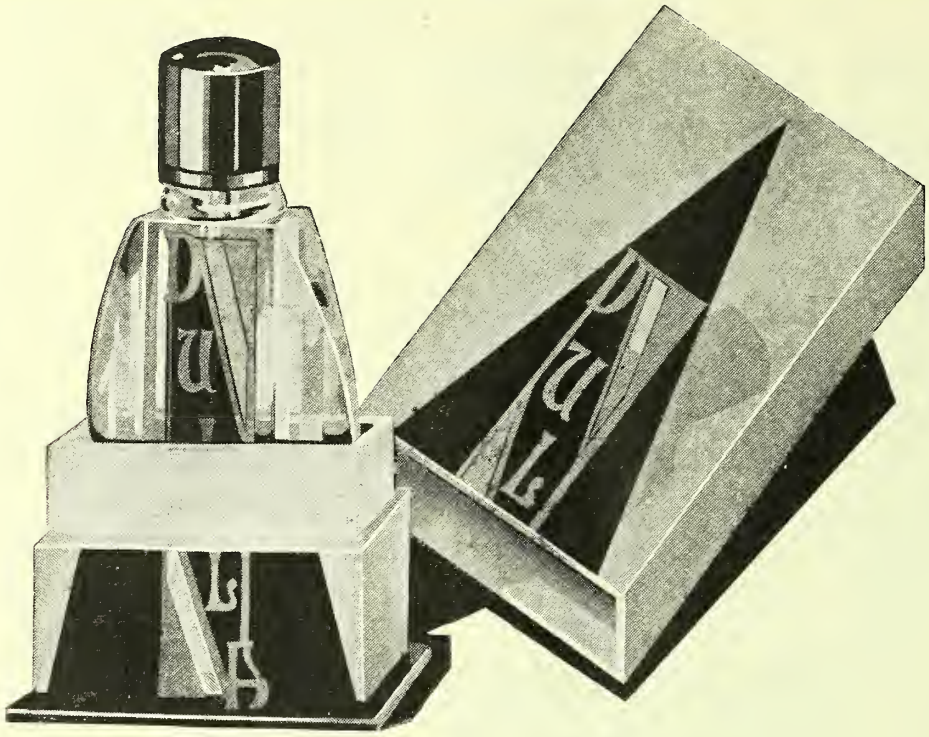
FREE with 3 gross assorted. Showcase and counter server

Arthur H. Cox & Co. Ltd.

Manufacturing Chemists,

BRIGHTON

Antibilious
Apiol and Steel
Back and Kidney
Blood and Skin
Castor Oil
Celery
Cochia
Constipation
Female
Gout and Rheumatic
Gregory
Hamilton's
Head & Stomach
Hiera Picra
Indigestion and Wind
Little Liver
Liver Rousers
Liver & Stomach
Neuralgia
Quinine and Iron
Rhubarb
Steel and Pennyroyal
Vegetable Liver



Every woman suffers from **SHINE**

"DULLA" REMOVES *it!*

● Some women need this beauty aid, some that—but *all* need "Dulla," because every woman suffers from the facial imperfection that "Dulla" was produced to remove —*shine!* If you know the sum of your feminine adult population, you know the sum of the potential "Dulla" users in your area. National advertising *continues* in "Daily Sketch," "Daily Mirror," etc.

Be ready with the product that, thanks to Nature, *every woman needs.* Counter showcard (7″ × 5″) in black, gold and orange free with each dozen "Dulla." From Osborne, Garrett & Co., Ltd., London, W.1, and branches, or your usual Wholesaler. 12/- per dozen, reselling at 1/6 each.

·DULLA·

Advt. of Osborne, Garrett & Co., Ltd., London, Birmingham, Glasgow, Manchester

MENTHOLATED
BRONCHIAL
LOZENGES
A SEASONABLE LINE APPLY FOR SPECIAL TERMS

M.R.P. 1/-
PARKE, DAVIS & CO., BEAK ST., LONDON, W.1.

STANDARD

SPEED 1,300 H. & D. MULTICHROME EMULSION

ROLL-FILM

(CELLULOID)

again leads the way with the first

sixpenny film

ever offered (2¼″ × 3¼″ 4 *exposures*)

to the photographic trade

Stock Standard Sixpenny Film and be in a position to cope with intensive competition from the multiple stores this season.
Standard Films are now available in improved cartons—in 4–6–8 exposure rolls in the popular 2¼″ × 3¼″ size. No other make can offer you the same variety of retail prices—to suit any class of market.

NOW MADE IN ALL THE REGULAR SIZES.
Square and cylindrical packing. Metallic cartons for tropics.

STANDARD PRINT WALLETS. New design, artistic and refined at attractive prices.

Illustrated list, with trade terms, post free.

Standard Films are distributed through all the leading wholesalers. Advance bookings for the sixpenny films have reached unprecedented figures—do not be too late—order now for Easter.

PHOTO TRADING CO. LTD.

Telephone : 26255

Change Alley, Sheffield
Works : Campo Lane, Sheffield

Telegrams : "*Films,*" *Sheffield*

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[*Continued overleaf.*

Emulsification today demands the use of the best practical plant working under the most economic conditions

Investigate the PREMIER

★

Tests carried out free of charge on your own materials.

Demonstration Laboratories at Prince Regent's Wharf, Silvertown, London, E.16.

EMULSIFYING MILL

IN GENERAL USE FOR

COSMETICS and SHAVING CREAMS, LIP STICKS, SKIN CREAMS, FOOD PRODUCTS, HAIR PREPARATIONS, VISCOUS EMULSIONS, PERFUMERY PRODUCTS, OINTMENTS, etc.

PREMIER COLLOID MILLS LTD.

Brettenham House, Wellington St., Strand, London, W.C.2

Phone: Temple Bar 5801 (5 lines). Telegrams: "Burboul, Rand, London."

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JOHN THOMPSON (Wholesale Druggists 1921) LTD
(Jaytee's)
LIVERPOOL
TELEGRAPHIC ADDRESS: "DRUGS" LIVERPOOL

DRUGS, CHEMICALS, GALENICALS, TABLETS, PILLS, PATENT MEDICINES, CHEMISTS' SUNDRIES, PHOTOGRAPHIC SUPPLIES AND TOBACCOS

Our Prices are Right, Our Quality is of the Best,
MAY WE QUOTE YOU?

All Drugs and Chemicals employed in manufacture are the finest procurable and the finished Products are guaranteed to conform to B.P. or other recognised standards.

OVER 30 YEARS REPUTATION FOR QUALITY

—*the reason for the world-wide sales of* **VENO** *Products*

You can safely recommend any product manufactured by the Veno Drug Co. Ltd. with the assurance of customer satisfaction. Every sale of these well tried lines commands a repeat.

A quality article of any description, providing it is at a reasonable price, will always command a ready market. Translate the word quality to unrivalled therapeutic efficiency—back it up with a reputation of over 30 years' standing—and you have the three VENO products. Figures prove that these lines are definitely among the "best-sellers" in the trade; an extensive advertising appropriation keeps them constantly in the public eye. Custom is passing your door if you don't push these quick-selling profit-earning products—look to your stocks NOW!

★ ★ ★

Write for terms and display material to the

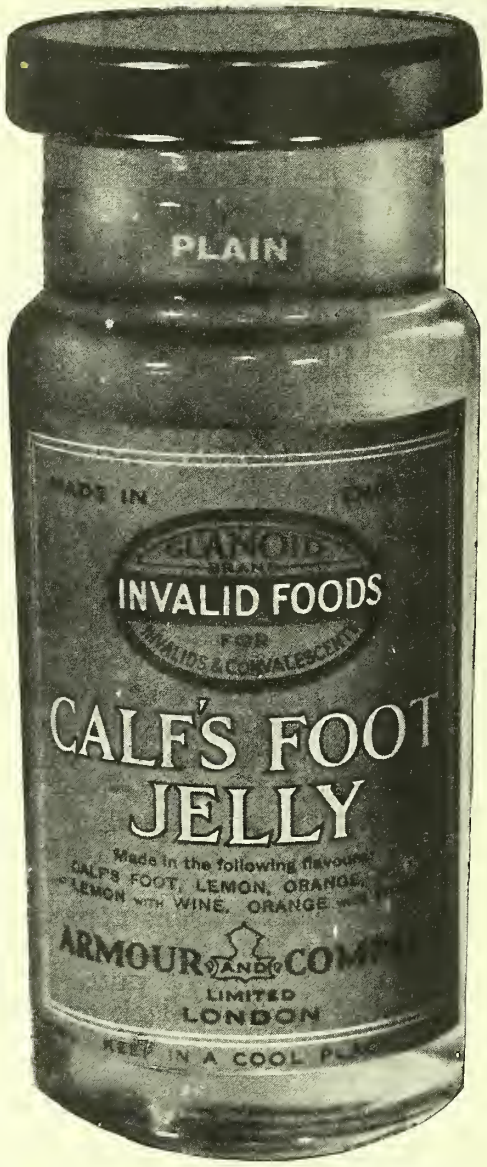
PHENSIC *It is not often that a new line has such a successful introduction or as promising a future as PHENSIC, the great new Pain-Killer. Already it is well on the way to becoming a "best seller." It is backed by forceful advertising now appearing in the National and Provincial papers . . . it is a line so remarkably efficacious that a first customer becomes a permanent customer. Don't delay. The demand is rising. Write for stocks to the sole selling agents:—*

VENO DRUG CO. LTD.

420 CHESTER ROAD, MANCHESTER, 16

GLANOID

8D. PROFIT ON AN OUTLAY OF 10D. OR 80%



SOLD BY CHEMISTS ONLY

MADE IN OUR LONDON LABORATORIES

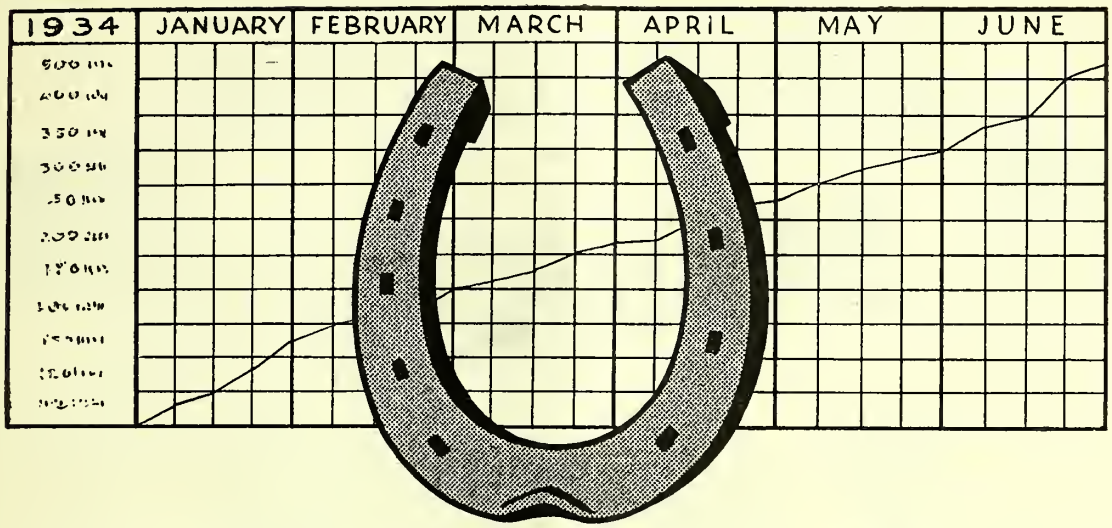
Retail Price 1/6 per Jar. Chemists' Price 10/- per doz.

LABORATORY DEPARTMENT

ARMOUR AND COMPANY LIMITED

ARMOUR HOUSE, St. MARTIN'S-LE-GRAND,
LONDON, E.C.1.

Telegrams: "ARMOSATA-CENT," LONDON
Telephone: NATIONAL 2424



It isn't Just Luck that Sells Millions & Millions of Moorlands

it is REPUTATION—QUALITY—NATION WIDE ADVERTISING & DISPLAY ★

MOORLAND BRAND INDIGESTION TABLETS

★ Your own display is a vital link in the sales chain. It connects with the advertising—it makes the passer-by buy—it keeps profitable purchases always on the move.

No competitive line enjoys such tremendous customer-satisfaction as Moorlands. Its reputation is unrivalled and grows bigger and bigger through constant recommendation. Then there is the strong frontal attack of vigorous, convincing advertising, which keeps the sales curve of new business upward. Add to these the potency of good display at the point of sale, i.e. the window or the counter—and you have the obvious reasons for the huge success of Moorlands.

W. B. CARTWRIGHT LTD., Rawdon, Leeds

The Public will have Moorlands

SCRUBB'S 2/- VOUCHER

(Daily Mail Front Page Feb. 22nd)

●

Important Announcement

Owing to the very heavy demand under this scheme it may not be possible for all retailers to receive their supplies before the 22nd February.
We are therefore amending the "Daily Mail" front page advertisement to read that coupons can be exchanged up to the 10th March, 1934, instead of the 28th of February, 1934 as originally intended.
This will enable all retailers to obtain supplies and participate in the benefits derived from the Scheme.
In view of the change, all coupons must be returned to the wholesalers by the 20th March.

Offer now extended to

MARCH 10th

You may honour Daily Mail vouchers from Feb. 22nd to March 10th

Manufactured by SCRUBB & Co. Ltd., Glasshouse Street, Lambeth, S.E.11 and solely distributed by R. W. Greeff & Co. Ltd., Thames House, Queen Street Place, E.C.4.

Maw's Packed Goods

For Chemist's Own Name

- Three Brands.
- Superior Quality.
- Competitive Prices.
- Generous Profits.
- Twenty-six lines in a variety of sizes.
- Admirably packed in good quality Screw Capped Bottles.
- Completely wrapped in transparent tissue.

Your own Name under any of these three Brands:

Discus Brand	Chevron Brand	M Brand
Turquoise Blue on White	Dark Blue on Cream	Dark Blue on White

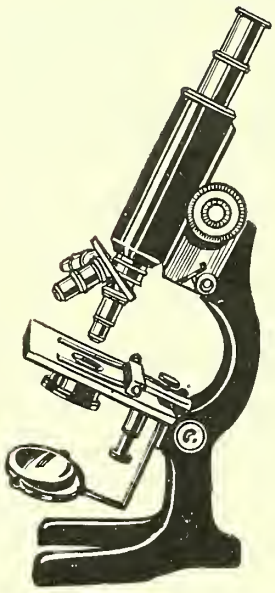
Informative showcard, in harmony with the goods, supplied with each line. Ask for details.

S. MAW, SON & SONS LTD.

7/12 Aldersgate St., LONDON, E.C.1

Telephone: National 2468. Private Branch Exchange

UNDER THE MICROSCOPE



Market Research Reveals

BRYLCREEM

The Perfect Hair Dressing

as the

PROVED BEST SELLER

A recent investigation in the Greater London Area, made by a well-known independent Market Research Bureau, elicited the fact that PRACTICALLY 70% OF THE DEALERS STOCKING BRYLCREEM GAVE IT AS THEIR BEST SELLER, while only 30% gave another brand as their best seller.

The reasons for this are,—constant and vigorous advertising to *create new customers,* and the high, unvarying quality of Brylcreem to *keep* them. Brylcreem policy is one of progression, and during 1934 we shall continue to give the fullest possible support to the Trade, to maintain and create demand by INCREASED, BIGGER-SPACE ADVERTISING, and to carry on our fight against price cutters.

The County Perfumery Co. Bradford Street Birmingham 5

The Public are Calling

for

PETAL DUST

"Wherein the subtle savour of the Flowers sublimely dwells."

THE GREAT FLORAL AIR PURIFIER

A Trial will convince you that——

PETAL DUST, when once shown, creates its own demand, and is therefore a valuable adjunct to every "go-ahead" store.

PETAL DUST, when displayed prominently upon your counter, will attract prudent customers by the fragrance of its unique odour, which to-day is of such universal admiration.

Retails in packets at 4d. and 8d. each.

Attractive Advertising matter free on request.

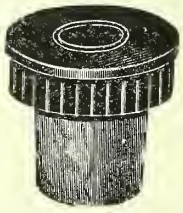
Obtainable through all the usual Wholesale Houses or from Sole Producers :—

The Rosmarine Manufacturing Co.

LONDON, S.E.1.

STOPPERS

AND BAKELITE SCREW CAPS



200 Varieties Any Colour.

A suitable Composition Stopper will enhance the selling value of your package. Let us fit your Bottles and quote you.

W. J. SHARPLIN, Ltd. *Telephone: Mountview 0952*

Middle Lane Works, Hornsey, LONDON, N.8

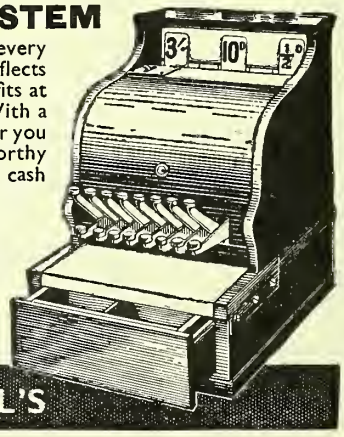
A SAFE SYSTEM

which keeps a check on every cash transaction and reflects favourably on your profits at the end of the year. With a British Monarch Register you get a lifetime's trustworthy service and complete cash control. *Send for illustrated catalogue post free.*

Cash Till Rolls of every description.

G. H. GLEDHILL & SONS, LTD. 16 Trinity Works, HALIFAX, ENGLAND.

Makers of Autograph cash tills.



GLEDHILL'S

NOTICE OF REMOVAL TO GREAT NEW FACTORY

In pursuance of our policy of progress and efficiency we have planned and erected a modern factory at Croydon and from February 17th onwards the following will be our address for all communications to the HEAD OFFICES, FACTORY and LABORATORIES.

ADDRESS FROM FEB 17TH 1934

QUEENS WAY, CROYDON, SURREY.

Telephone : FAIRFIELD **4134** (7 lines)
PRIVATE BRANCH EXCHANGE

LONDON SHOWROOMS

For the convenience of our friends in the trade beautifully appointed Showrooms are being opened at STANDBROOK HOUSE, 2-5 OLD BOND ST., W.1 where you will be welcome.
The Telephone No. is REGENT **1377**

BOURJOIS

Famous Beauty Products

La Reine des Crèmes
Mousse de Fleurs
La Reine des Poudres

Orders and Price List
Full particulars from your Wholesaler or

J. LESQUENDIEU
Mount Pleasant, ALPERTON, MIDDX.
TELEPHONE: WEMBLEY 4818.

A. ROWLAND & SONS, LTD.
22 LAYSTALL ST., ROSEBERY AVE., E.C.1.

YOU GET BIGGER
PROFITS
FROM
COUNTER DISPLAYS

CHEMISTS SHOULD WRITE FOR INTERESTING OFFERS AND BONUS **SCHEMES**

THE SHORT CUT TO BRIGHTER BUSINESS

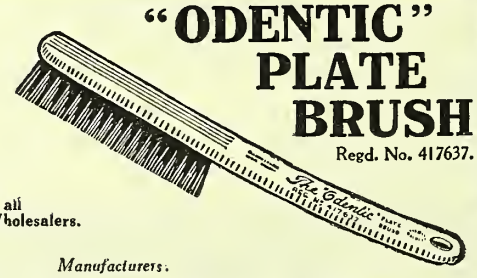
THE AMO SAFETY RAZOR BLADE CO., LTD.
BROAD STREET HOUSE, LONDON, E.C.2

SAFETY RAZOR BLADES TO PRIVATE BRANDS

We are specialists in the production of Safety Razor Blades to Private Brands—Home or Export—Prices competitive—Special wrappers, cartons and labels designed to customers' ideas—In fact your Private Brand complete and ready for sale—Large output available from most modern plant.

CONSULT:
Dominion Steel Corp. Ltd.
"Fleet" Works, Queen's Rd., Sheffield, Eng.

"ODENTIC" PLATE BRUSH
Regd. No. 417637.



From all Wholesalers.

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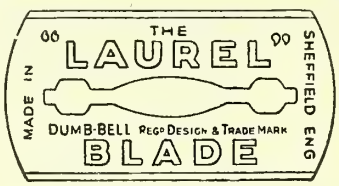
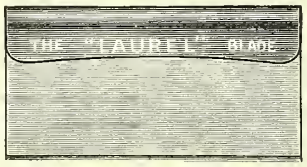


Retails at 1½d. each
4 Blades for 6d.



Retails at 1½d. each
4 Blades for 6d.

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1934 Models

Safety Razors and Blades

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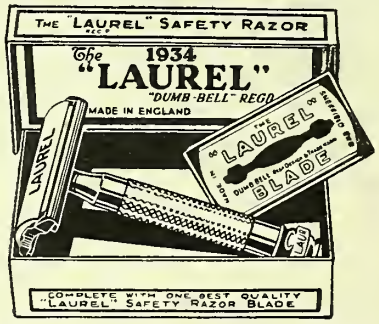
COMPLETE OUTFIT RETAILS AT 6D.



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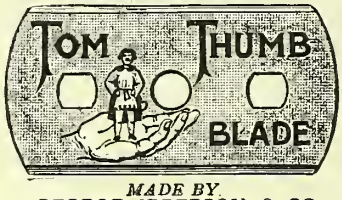

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"PEDIGREE" SHAVING BRUSHES

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In white and coloured handles packed in transparent container as illustrated.

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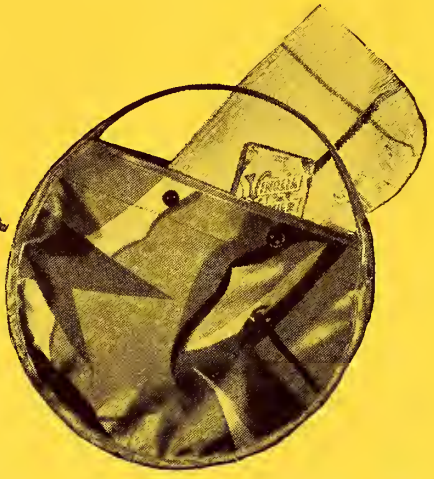

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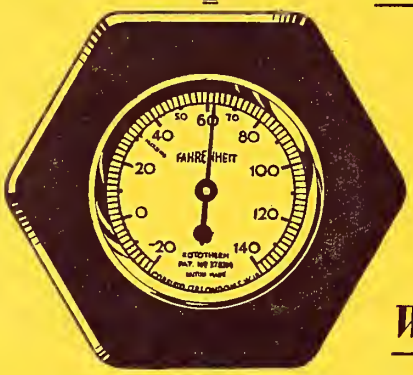

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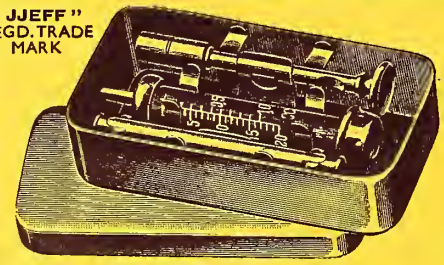

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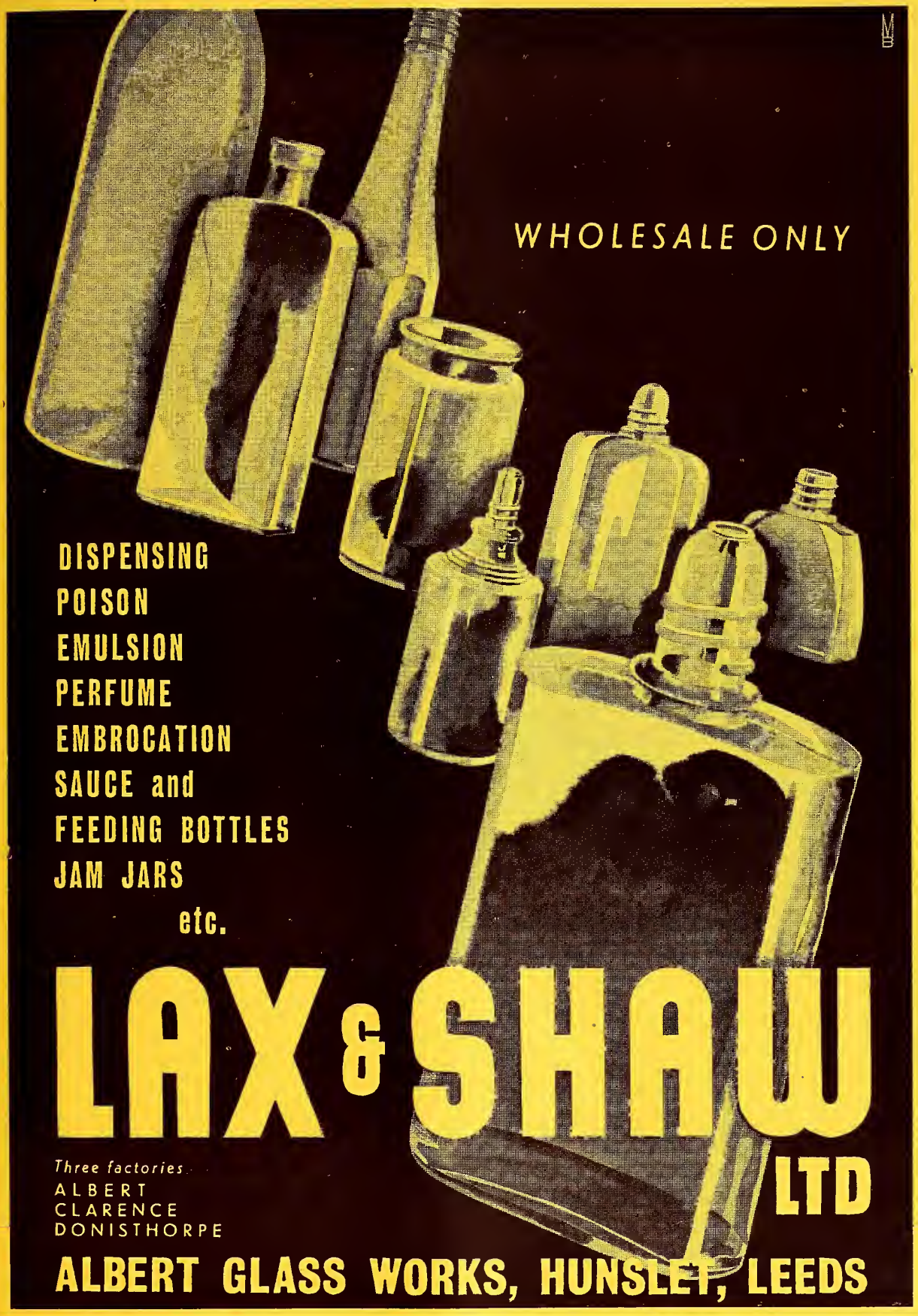
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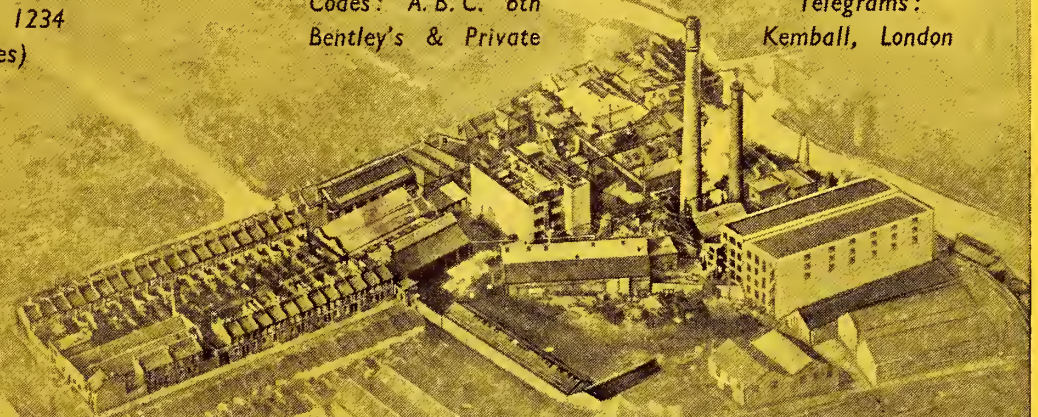

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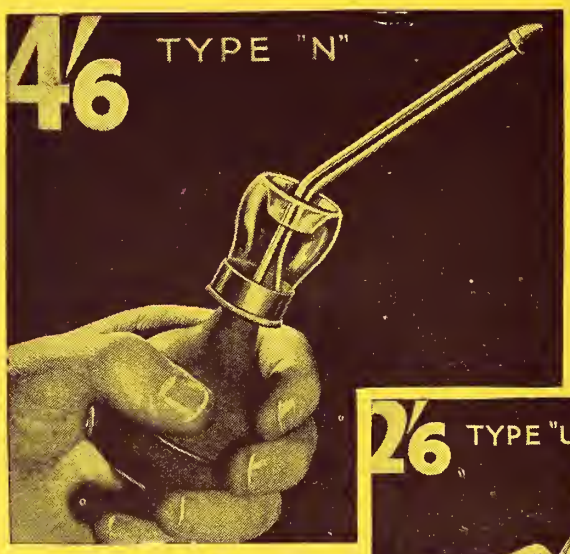

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Approved by Good Housekeeping Institute for the removal of stains from delicate fabrics.

There is no other cleaner, Powder or Liquid, on the market anywhere near as effective as Susie's. Chemists everywhere are finding it a remarkably rapid seller.

RETAIL 1/-

1 doz. lots 8/- per doz. 3 doz. lots 7/9 per doz.
Gross lots 7/6 per doz.
3 doz. and up, carriage paid.

Good display box holding 6 tins with 6 free samples and 6 cleaning guides.

SUSIE'S GLOVE CLEANING SET

The best of all cleaners for Fabric and washable leather gloves and products. Neatly boxed and complete with brush. A new line showing profit of 50% and 60%. **Retail price 1/6 protected.**

Manufactured by
SUSIE'S PERFECT CLEANER CO.
70 Fleet Street, Liverpool.

For supplies, your usual Wholesaler, or from the Sole Distributors:

The safe cure for

COLDS CATARRH & HAY FEVER

EPHEDROL

REGD.

A scientific treatment for colds and catarrh, endorsed by leading laryngologists. Also gives instant relief in Hay Fever. More hygienic, more convenient and efficacious than atomiser spray, douche or dropper. In the patent Nasal Bottle.

MORE PROFIT TO THE CHEMIST

78% ON COST

3/- SIZE, STANDARD. Protected Retail Price. 23/- per dozen (13 to the dozen) 3 doz. lots 22/- doz. (13 to the dozen).

1/6 SMALL TRIAL SIZE. Protected Retail Price, 12/- per dozen (13 to the dozen). 3 doz. lots 11/- doz. (13 to the dozen).

3 dozen either size carriage paid. Profit on cost over 78%.

CLAY and ABRAHAM, Ltd.

***Manufacturing Chemists* - - - LIVERPOOL**

Obtainable through THOMAS & LINTON LTD., 5 Whitehorse Buildings, 100 High Holborn, W.C.1, or usual Wholesaler CA7

Are you selling Silatex Regd

The protective which is fast becoming a best seller. The most reliable preventative obtainable and at the right price.

Silatex is made from liquid latex which is recognised as being far superior to the usual type of protective. Neatly packed in cartons of three. Literature and show material supplied on request.

Through your usual wholesaler or direct from :—

18/- per Gross Carriage Paid

RAY & CLARK LTD.

VICTORIA HOUSE, SOUTHAMPTON ROW, LONDON, W.C.

"SURCO"

RELIABLE

ELASTIC HOSIERY

SEAMED & SEAMLESS

For special garments to measure we maintain a 24 hour service.

:: BODY BELTS ::
TRUSSES :: SUNDRIES

Write for Catalogue.

SURGICAL HOSIERY CO., LTD.

Russell Street :: NOTTINGHAM

Telephone No.: 75903. Telegrams: SURGICAL, NOTTM.

SUPPLIED TO CHEMISTS & DRUGGISTS ONLY

FINEST **Safeguard** QUALITY

(RUBBER GOODS)

FREE SAMPLES & PRICES ON APPLICATION

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BERTRAND'S

ODOURLESS PESSARIES

CHARLTON & CO., Upper Norwood, S.E.19, and all Wholesalers. 15/- per doz.

The preference of women for Southalls Sanitary Towels brings steady sales all the year round.

- "ORIGINAL," most popular.
- "CELTEX," soluble.
- "K," made entirely of absorbent cotton wool, with very soft cover.
- "COMPRESSED," for Travelling.

SOUTHALL BROS. & BARCLAY LTD., BIRMINGHAM

SOUTHALLS

SANITARY TOWELS

● **Important Announcement**

Reduction in Price of MYATT AUTO BLADES

for use with Auto-Strop Razors, Old and New

Now **2d.** each. Packets of Six **1/-**

As from Monday, February 12th, 1934, the price of Myatt AUTO Blades for use with Auto-Strop Razors old and new is reduced from 1/3 per packet of five to 1/- per packet of Six Blades.

To avoid complications or loss of profit to retailers, full rebates will be allowed on existing stocks of Myatt AUTO Blades. The old packets of five will also be exchanged for the new packets of six.

To enable us to make this exchange and allow rebate to cover the reduction in price, we invite dealers to return to Argent Works, Graham Street, Birmingham, all stock of unopened packets of Myatt AUTO Blades.

We shall then forward by return, carriage paid, new packets of sixes in exchange, together with a rebate on the basis of six packets of sixes to each box of 24 packets. This exchange offer closes on Saturday, April 14th, 1934.

Our terms are not reduced. The new price is 24/- per box of 24 packets of six (144 blades), less 33⅓%, against 30/- per box of 24 packets of five (120 blades).

Send for your new stock immediately and so take full advantage of this wonderful opportunity for increased sales.

W. J. MYATT & COMPANY, LTD.
ARGENT WORKS - BIRMINGHAM

24/- per box of 24 packets of six (144 blades) LESS 33⅓%

There will be NO REDUCTION in the price of our DAYMARK BLADES

SOL-VO

REGD

TOILET PAPER

PURE - SOFT - HYGIENIC

(Completely Wrapped)

SELLING AIDS.

A display Showcard and "Personal Hygiene" leaflets with every order.

750 perforations to every roll.

No dirty edges, completely wrapped and sealed.

3 Doz @ 6 - Doz. 6 Doz. @ 5/9 Doz. 12 Doz. @ 5/3 Doz.

CARRIAGE PAID—NET

FORD, SHAPLAND & CO. LTD.

PRINTERS & WHOLESALE STATIONERS,

GREAT TURNSTILE, HIGH HOLBORN, LONDON, W.C.1

Telephone: HOLBORN 4695.

Make a point of inspecting the "O.K." range in all sizes and styles including Nickel, Gilt and Enamel finishes and Bakelite.

Sole Agents for Gt. Britain:

SALE ENGINEERING Co., Ltd.

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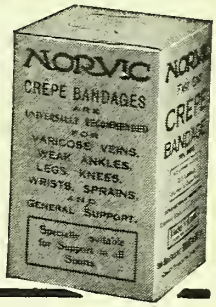
NORVIC

BLUE CARTON CRÊPE BANDAGES

The Blue Carton, prominently displayed in the window or on the counter, will increase your crêpe bandage sales enormously. A P.A.T.A. LINE with FULL 33⅓ PROFIT.

From leading wholesalers.

Sole manufacturers: Grout & Co. Ltd. 35 Wood Street, London, E.C.2.



• **Winning new customers for over 40 years!**

MENE TOWELS

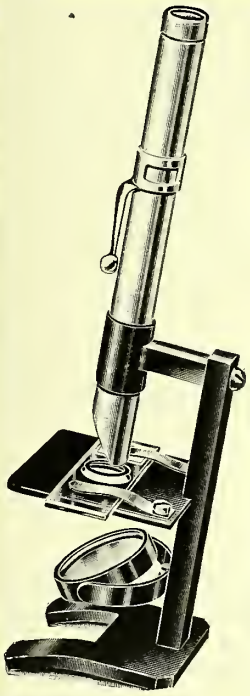
From your Wholesale House, please.

A superior quality hygiene and a great favourite with women. Also SU-CAN Soluble, for easy disposal.

ROBINSON & SONS LTD., CHESTERFIELD & LONDON

THE

"W-G" MICROSCOPE



VERY HIGH MAGNIFICATION

CRYSTAL CLEAR DEFINITION

SCIENTIFICALLY ACCURATE

Retail Price

Boxed complete with 3 Slides (2 with objects 1 plain)

18/9

AN unique feature of the "W-G" Microscope is that it can either be used as shown in illustration with stand, or the pencil Microscope can be detached and carried in the pocket by means of the clip fastener.

The "W-G" Microscope whilst being very reasonable in price incorporates features of the more expensive types and is extremely useful to all students of Botany, Chemistry, Mineralogy, Philately, etc., etc.

LIBERAL TRADE DISCOUNT

Obtainable only from —

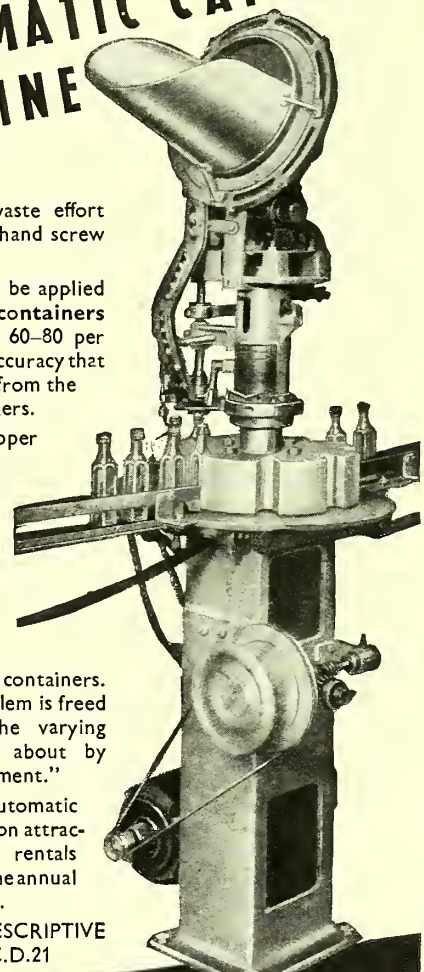
The

General Optical Company

(E. T. & F. W. CORNWELL)

120 CLERKENWELL ROAD, LONDON, E.C.1

• THE SURE SEAL AUTOMATIC CAPPING MACHINE



eliminates the waste effort of old fashioned hand screw capping methods.

Screw caps can be applied to **bottles or containers** at speeds up to 60–80 per minute, with an accuracy that ensures freedom from the aftermath of leakers.

The Sure Seal Capper is fully automatic and foolproof. Screw caps are poured into the Hopper, out of which they are carried down the feed chute and applied positively to the bottles or containers. The capping problem is freed entirely from the varying factors brought about by the "human element."

The Sure Seal Automatic Capper is loaned on attractive terms, the rentals barely covering the annual depreciation cost.

WRITE FOR DESCRIPTIVE LEAFLET C.D.21

SURE SEAL & SUTAX LTD

GARDINER HOUSE, 10/12 CHARTERHOUSE ST., HOLBORN CIRCUS, LONDON, E.C. 1 Telephone : Holborn 3371/3372 (2 lines)

WARNING!

The tremendous success of our DUREX Protectives has resulted in many cheap imitations. We now warn our customers that even if offered as being of equal quality, these invariably are not so.

It is impossible to market *fine quality* Latex Protectives at lower prices than ours. A lower price means poorer materials, less careful processing, a less stringent testing standard—or more usually none at all.

" Penny wise—pound foolish " is an old saw, but with no other merchandise is it more applicable.

Your customers prefer DUREX, make sure they get it.

Samples gratis and prices on application to

THE LONDON RUBBER COMPANY

Elarco House, 221 Old Street, London, E.C.1

Telephone Nos. : Clerkenwell 3888–3889 Factory : Hackney, London, E.9

MAKERS OF FINE QUALITY LATEXWARE

6 TOWELS

FAVOURITE SANITARY TOWELS

6 PENCE

The original 6d. packet Brand is now indisputably world famous. Its ever-increasing popularity has enabled us to include an additional Towel

Towel Makers for 80 years

ARTHUR BERTON, LTD.

" BRITANNIA HOUSE "

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'Phone : Clerkenwell 1346-7-8-9

'Grams : Aybelim, Finsquare, London

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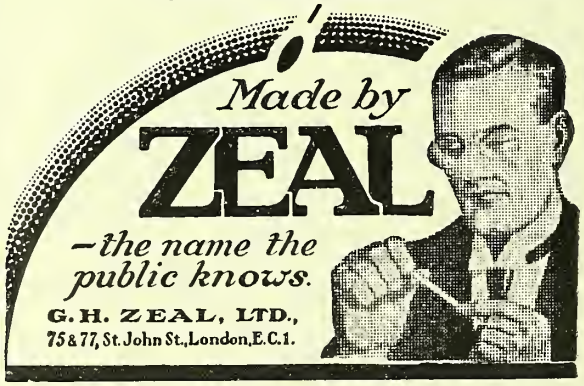
Best sellers

The public is asking for *ZEAL* CLINICAL THERMOMETERS because they are:-

GUARANTEED TO *STAY* ACCURATE

CONSISTENTLY ADVERTISED



G. H. ZEAL, LTD., 75 & 77, St. John St., London, E.C.1.

THOUSANDS OF DOG OWNERS DO THIS EVERY WEEK

Get Your Share of This Business

THOUSANDS of Dog Owners give their dogs Sherley's Tonic and Condition Powders every week, and other Sherley Products when necessary. There is a Sherley Remedy for every doggy ailment, and it will pay you to stock these popular quick-selling lines. They are protected at prices which show a wide margin of profit, and are sold on terms which eliminate all risk of loss. A postcard brings full particulars. A. F. SHERLEY & CO., LTD., 18 MARSHALSEA ROAD, LONDON, S.E.1.

STOCK ALSO SHERLEY'S

LACTOL and Lactol Biscuits
WORM Capsules and Powders
SKINCURE—Insect Powder
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Cough Tablets — Fit Tablets
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Wound Lotion — Eye Lotion
Formalin Soap
Shampoo Dry Cleaning Powder
Dry Shampoo — Dry Cleaner

SHERLEY'S DOG MEDICINES are prepared by fully qualified Analytical and Pharmaceutical Chemists.

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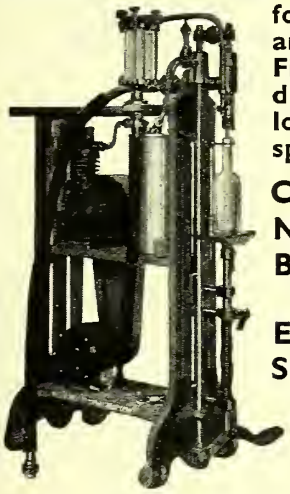
"LEO" VACUUM FILLER



for Glass, Stone, and Tin Bottles. Fills all sizes from drachm to quart—long, short or sprinkler neck.

Clean and Rapid
No Over Filling
Broken Bottles Rejected
Easy to Clean
Self Rinsing

WRITE FOR PARTICULARS

Roberts' Patent Filling Machine Co.
T. ROBERTS, Proprietor,
33 Roundcroft Street, Bolton, Lancashire
Makers of every description of Bottle Filling and Shallow Jar and Tin Filling Machine for the Chemists' use.
ALL RIGHTS RESERVED

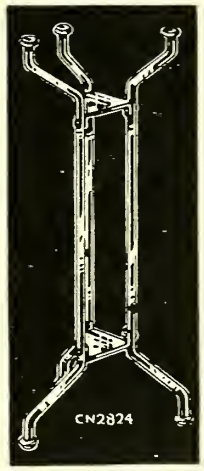
"CLEMENTS-NEWLINGS" DEPENDABLE FITTINGS

CHROMIUM PLATED PEDESTALS IN 7 SIZES

No. 2824. All Steel
Chromium Pedestals
(Round Section)
Fitted with Rubber Studs
Stocked in the following sizes:

Height In.	Span In.	Each		Doz.
9	5	3/-	@	2/10 ea.
12	6	3/6	@	3/4 ,,
15	7¾	4/3	@	4/- ,,
18	7¾	5/-	@	4/9 ,,
21	7¾	5/9	@	5/6 ,,
24	10	7/-	@	6/8 ,,
30	12½	8/6	@	8/1 ,,

Full lists free.



GLASS SHELVES

Rounded and Polished Edges.
No. 1527. OVALS
Stocked in Six Sizes:

		Each	Doz.
12 in. ×	9 in.	1/8	19/-
14 in. ×	10 in.	2/-	23/-
16 in. ×	10 in.	2/3	26/-
18 in. ×	12 in.	2/9	31/6
20 in. ×	15 in.	4/3	48/6
24 in. ×	18 in.	6/-	68/6

and in other shapes.
Black Glass Ovals to Order.

"CLEMENTS" DISPLAY STANDS ARE USED IN THE CHEMIST AND DRUGGIST MODEL WINDOW DISPLAYS.

"CLEMENTS" PAY CARRIAGE IN ENGLAND AND WALES with the exception of certain goods definitely marked EX-WORKS.

CLEMENTS, NEWLING & CO. LTD.
Manufacturers of Shop Fittings and Display Stands
95 & 96 WOOD STREET - - LONDON, E.C.2
NATIONAL 5511 – 5515

HIRE YOUR OWN "DELIVERY SERVICE"

SAVE CAPITAL OUTLAY—LOWER RUNNING COSTS

All the advantages of your own "Delivery Service" for one inclusive annual charge—really smart vans with bodies built to your order—capable uniformed drivers.

No transport worries—vans garaged and washed daily—replacement in case of breakdown without extra cost—load insured in transit.

Write for all particulars and fully illustrated booklet:

BEAN'S EXPRESS LTD.
122 GOSWELL ROAD, E.C.1
Telephone: CLERKENWELL 6372

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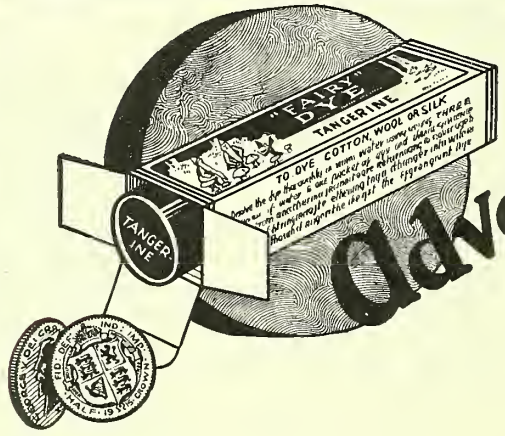

Advertised goods yield quick Profits

FAIRY DYES

are big sellers—always in popular demand. They mean quick turnover and liberal profits. Fairy Dyes are forging steadily ahead and you should periodically inspect your stocks.

Retailed at **2d.** per tube—attractively packed. **31** shades and colours.

Be wise—stock

LONDON DEPOT:
292 UPPER ST.,
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Fairy Dyes

FAIRY DYES, LTD., GLASGOW, N.W.

KING'S

FOR

MODERN DISPLAY STANDS

Ref. No. H. 3303. This attractive Metal Display Stand has four square section Pillars each fitted with an adjustable Metal Clamp and a Black Opal Glass Shelf, size 10"x 6"x ¼" thick Polished Edges. Mounted on a double Square Base, size 6"x 6". Height overall 30".

CHROMIUM PLATE FINISH

We will be pleased to forward our complete Catalogue No. 1013 Post Free on application.

PRICE **28/6** COMPLETE

J. C. KING, LTD.,

42-60 GOSWELL RD., LONDON, E.C.1.

'Phones: CLERKENWELL 2316 (6 lines).

60 DOZEN SOLD IN 2 MONTHS!

BY ONE CHEMIST!

That's how the

XODO (Regd)

IODIZED LOCKET *moves*

One of our distributors in the Midlands reports results as above.

These are the **genuine original** IODINE LOCKETS, based on strictly scientific principles prepared under the direct supervision of the inventor, Dr. Goodfellow.

To protect you, ourselves and the public against the imitations lately advertised in the press as a preventative against Influenza, and colds, **every genuine IODINE LOCKET is stamped "XODO" [Regd.]**

Every chemist knows the test for Iodine. Wrap the locket in a piece of starched linen, slightly damp, and leave over night. If no purple stain appears on linen then no iodine is being given off, the locket is therefore a poor imitation and utterly useless.

Get a small stock in NOW before 'flu really starts. Our advertising will send readers enquiring for XODO Lockets to **you.** Retailing at 2/- each they will prove a very attractive line.

Write **today** for particulars.

JAMES PEARSON LTD.

C.D.7, Oldfield Pottery, BRAMPTON, CHESTERFIELD

LONDON COLLEGE OF PHARMACY

(Founded by H. WOOTTON, B.Sc.) C. W. GOSLING, Ph.C.

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6 Months' PRELIM. SCIENTIFIC for September Exam.

10 weeks' REVISION. All Subjects. PS and C & D for June Exams.

Apply to the Principal,

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WE SUPPLY

DECORATED TINS

FOR PACKING

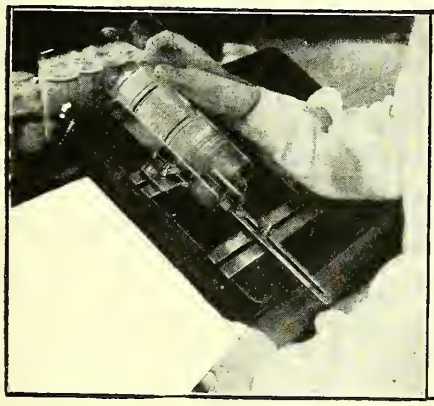
OINTMENTS

AND OTHER PRODUCTS.

SAMPLES AND PRICES UPON REQUEST.

THE CALDICOT TIN STAMPING WORKS LTD.

CALDICOT, Nr. CHEPSTOW, Mon.



WRAPPING TAKES TIME—TIME MEANS MONEY

Save both by using the

"EASI-FOLD" (PAT. No. 383763)

THE LATEST DEVICE FOR "CELLOPHANE" ETC. WRAPPING

Owing to the slippery nature of "Cellophane," Wax, Greaseproof and other transparent papers wrapping and folding become a difficult operation. The "Easi-Fold" is designed to save time and give better and neater results when wrapping Jars, Bottles, Biscuits, etc. It holds the package in an easy position, leaving both hands free to fold, gum and complete the package.

AN EXPERT OPINION. "This appliance has been carefully considered and approved by the 'CELLOPHANE' CO. LTD., who recommend it as an original and useful aid designed to save time in wrapping operations." PRICE £3-12-6 nett carr. paid: F.O.B. 5% extra.

Write for full details to the sole maker:

L. T. LAUDER, 4 MILES HILL STREET, LEEDS 7

Manufacturer of "LAUDER" FILLING MACHINES

Why CATALINE Pays to Stock

BECAUSE it enjoys the largest sale of any Cattle Medicine Preparation and is on the **P.A.T.A.**

BECAUSE it is consistently advertised and all advertisements refer to the Chemist as the source of supply.

BECAUSE it is well packed, does what it is advertised to do, and shows the trade a satisfactory profit.

BECAUSE we do not employ travellers to call on Farmers or solicit orders at cattle fairs or markets.

One size, retailed at face value, viz. : 3/9 per bott.

Cash with order terms.

1 doz. 36/-, 3 doz. at 35/6, 6 doz. at 35/-, 12 doz. at 34/6 per doz.
CARR. PAID. CASES FREE.

Stocked by most Wholesale Houses.

THE CATALINE CO., LTD., Bristol

WATER GLASS

We are the largest Water Glass packers and can offer you safe and attractive packages. Customers 'own name' designs, enamelled tins, etc.

Please send for quotation together with full range of packings

TOMLINSON & HAYWARD LTD.
Manufacturing Chemists
LINCOLN

H. E. STEVENSON & Co., Ltd.
Wholesale Export Druggists
10 Pancras Lane,
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Halibut Liver Oil
Finest Refined Quality
Vitamin content A & D
40/50 times stronger than Cod Liver Oil
Average Dose—Three Drops

"VITAMIN TESTED YEAST"
Yeast specially prepared for medicinal purposes
GUARANTEED ABSOLUTELY PURE
MIDGLEY & PARKINSON, LTD., Warren Works Pudsey, LEEDS
Sole selling agents for Great Britain—
THE OLD STRAND CHEMICAL & DRUG CO., LTD.
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PHOSPHATE OF SODA, Pure
For Food Purposes
ASK FOR SAMPLE AND PRICES
PERRY & HOPE, LTD.
Forth and Clyde Chemical Works, NITSHILL
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Attractive sole agency terms can be secured in many districts for Hobson's Black Beer (non-intoxicating), "Danzovin" Tonic Wine, etc. These lines are consistently advertised to the public. There is a good demand. Own name literature supplied.
Write us for agency terms.
JOSEPH HOBSON & SON, Ltd., Regent St., LEEDS
'Phone: LEEDS 25270 *Telegrams:* "SPRUCE," Leeds

DUTCH DROPS Claus Tilly
The Original HAARLEM OIL
Also in Capsule Form.
We are Sole Distributing Agents for the British Isles, British Colonies, Scandinavian Countries, Spain and South America.
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MEDICINAL CAPSULES
ACCURATE AND DEPENDABLE
SPECIAL LOW QUOTATIONS FROM MAKER
J. G. ROBBINS, 130 ROMFORD RD., LONDON, E.15

THOMAS & LINTON, LTD.,
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Telephone: Holborn 5518
London Selling Agents for
SUSIE'S PERFECT CLEANER
Ephedrol, Natex Health Foods
Deliveries from London Stock

"What a good selling line it is"...

READ WHAT THIS CHEMIST THINKS OF

SUSTENOID
BRAND YEAST TABLETS

Jan. 20, 1934

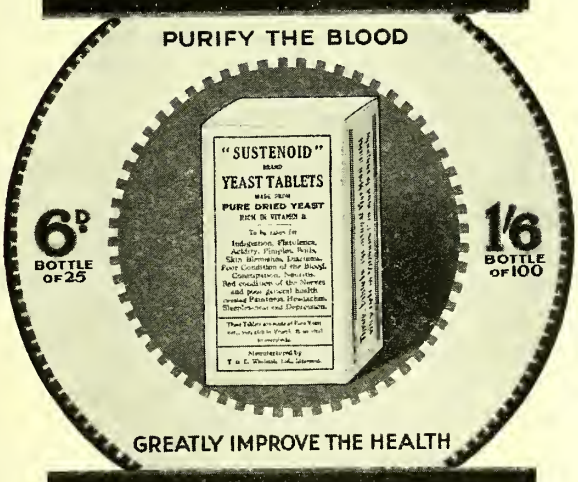
Messrs. Thompson & Capper Wholesale Ltd.
College Lane, Liverpool.

Dear Sirs,

I have forwarded cheque for.....and now we are requiring "SUSTENOID" Yeast Tablets again. What a good selling line it is. May we have a best terms parcel together with show material.

Yours faithfully,

"SUSTENOID" YEAST TABLETS



RICHEST SOURCE OF VITAMIN B

The tablets are the best that can be made. Absolutely pure dried yeast, richest in vitamin B. A display backed by our latest show-card does really mean sales and repeated requests such as this. Yeast is in great demand. We confidently recommend "Sustenoid" Yeast Tablets to you.

NEW REDUCED PRICES

MINIMUM RETAIL
6d. and **1/6**

WHOLESALE
4/- and **10/-** DOZEN

SPECIAL PARCELS

6 DOZ. **6d.** @ **3/9**	... ...	1 2 6
2 DOZ. **1/6** @ **9/-**	... ...	18 0
	NET CARR. PAID	£2 0 6

£5 PARCEL ASSORTED 6d. and **1/6**
3/3 and **8/3** PER DOZ. NET CARR. PAID

THOMPSON & CAPPER WHOLESALE LTD.

MANESTY BUILDINGS, COLLEGE LANE, LIVERPOOL 1.

PRECIPITATED CHALK

LIGHTEST—MEDIUM—DENSE.
And All Other Grades To Suit Every Purpose.
Prepared Chalk B.P. and Powdered Talc.

'Phone: Mansion House 7300. Tel. Add.: "Levermore, Phone, London."
A. LEVERMORE & CO. LTD.
110 CANNON STREET, LONDON, E.C.4.
ABC Codes. 6th Edition.

WESTMINSTER COLLEGE OF PHARMACY
REUNION DINNER and DANCE Feb. 28th
IMPERIAL HOTEL, Russell Square, W.C.
Tickets 8/6 each.

Founder: G. S. V. WILLS, Ph.C.
Principal: P. H WOODNOTH, Ph.C., F.C.S.
Phone: Reliance 3728

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NEW TERMS COMMENCE
April 4. July 30. Oct. 3.
Preparatory Courses by Post commence each week.
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GUMS TRAGACANTH and ARABIC
As Imported or Finely Powdered
WHITE SHELLAC
FREDK. FINK & CO., 10 & 11 Mincing Lane, London, E.C.3
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'FLU PREVENTIVE PENDANT
These are very effective, and will also increase your sales for iodine.
TO RETAIL AT 6d. 33/- per 100. SAMPLE 6d.
BURALL BROTHERS, WISBECH, CAMBS.

Louis de Luxe Products
ALL TOILET PREPARATIONS
PROPRIETORS:
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TELEPHONE: HOLBORN 6410 EST. 1790 COURT PERFUMERS

ODO-RO-NO
displayed near the cash tray will sell four times as many as Odo-ro-no shown anywhere else. Try it and see.
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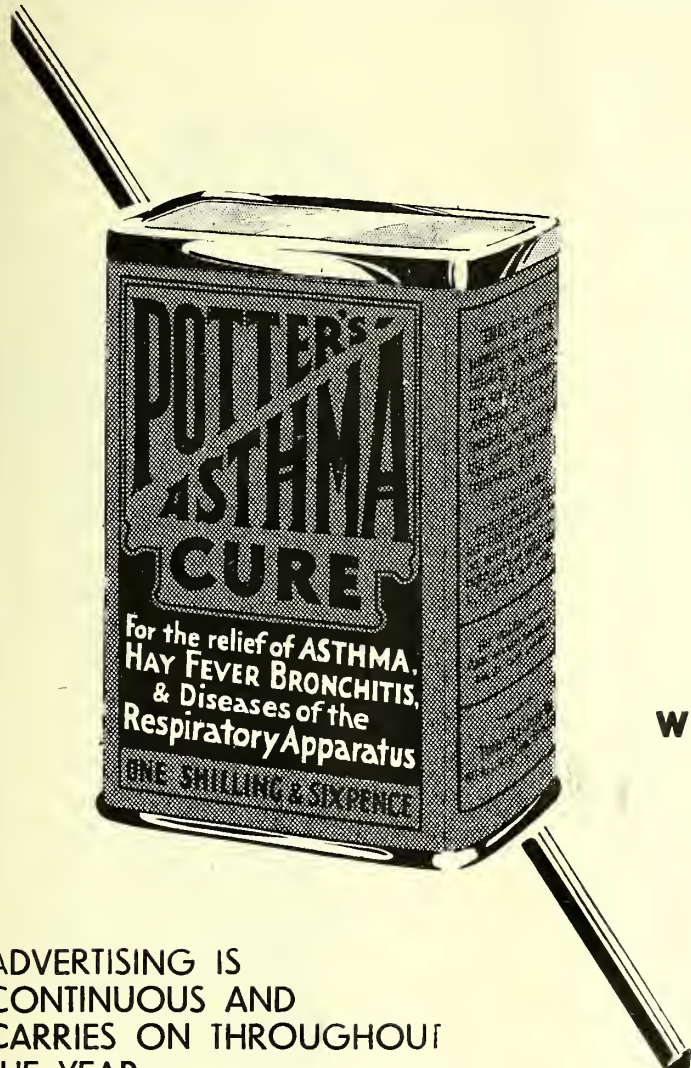

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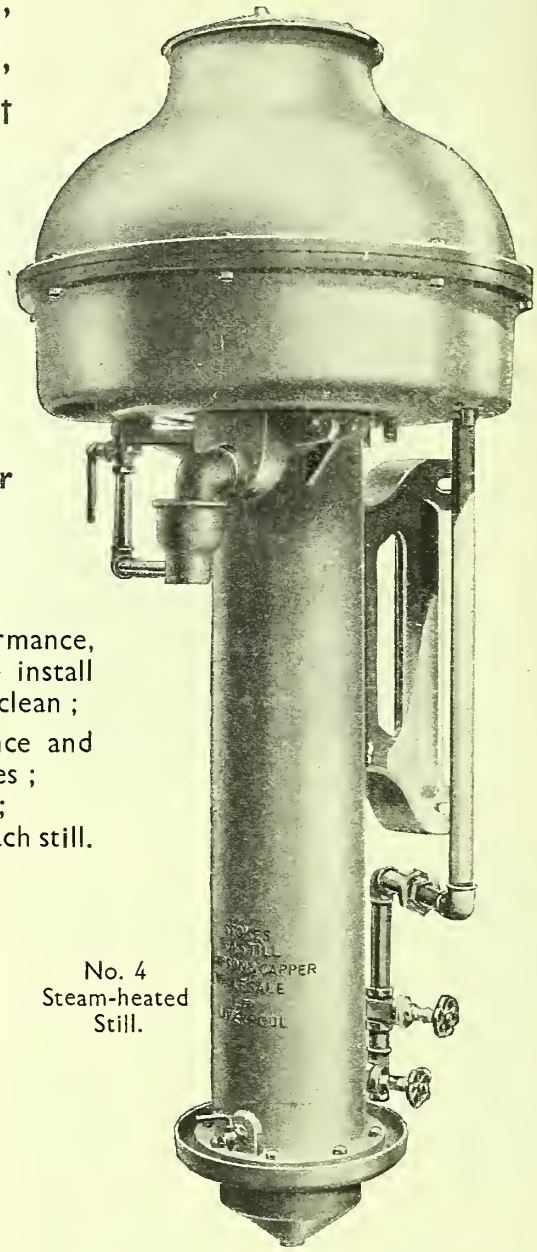

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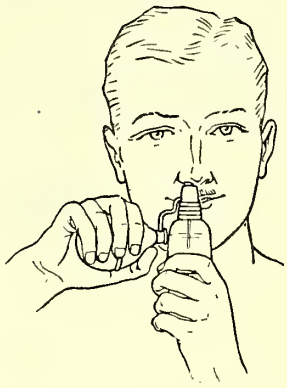

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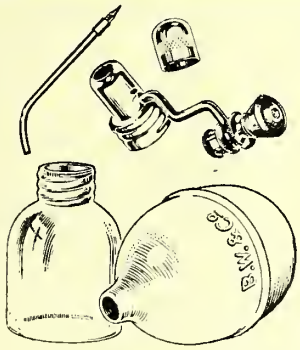

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The official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in Overseas Dominions

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News of the Week

Key Industries Duty—Exemption Applications

Application has been made to the Board of Trade, under section 10 (5) of the Finance Act, 1926, for an order exempting zirconium oxide and zirconium silicate containing zirconium oxide from liability to key industries duty. Application has also been made to the department for exemption orders in respect of copper methyl arsenate and filicic acid. Communications should be addressed to the Principal Assistant Secretary, Industries and Manufactures Department, Board of Trade, Great George Street, S.W.1.

Import Duties Application—Organic Intermediate Products

The Import Duties Advisory Committee give notice that they have under consideration an application from the Colour Users' Association for the addition to the Free List of organic intermediate products which are used by textile dyers and printers for the production of dyestuffs on the fibre. Any representations which interested parties may desire to make in regard to this application should be addressed in writing to the Secretary, Import Duties Advisory Committee, Caxton House (West Block), Tothill Street, Westminster, London, S.W.1, not later than March 1, 1934.

Manchester Testing House Visited

About fifty members of the Manchester Pharmaceutical Association and Junior Branch accepted an invitation to visit the Manchester Chamber of Commerce Testing House on February 7. In the short talk given by Mr. F. W. Barwick, the director of the Testing House, explanations were made with regard to some of the specimens shown, which had not come up to the requisite standard. Before leaving the first testing department, Mr. H. Brindle, vice-president of the Association, proposed a vote of thanks to Mr. Barwick for his address. Mr. Barwick said he did not expect a vote of thanks, nevertheless he was pleased so many had accepted the invitation. The party visited other departments, where they saw many tests carried out.

Fairchild Scholarship and Prizes

The syllabus of this year's competition for the Fairchild scholarship and prizes have just been issued. The examination will be held during June at the six centres named in the syllabus, and candidates are required to give notice, in writing, not later than June 1. Further particulars may be obtained from Mr. Herbert Skinner, Secretary to the Trustees, Albert Chambers, 65 Holborn Viaduct, London, E.C.1.

Wine Licence Applications

Among the applications for wine off-licences at the recent Brewster Sessions, those of the following chemists have been granted:—Mr. L. A. Beaumont, Coventry; Mr. M. H. Hirst, Scarborough; Mr. J. B. Hudson, Hebburn; Mr. D. G. Cordiner, South Shields; Mr. J. Hayhurst, Nelson; Mr. M. J. Sewell, Rotherham; Mr. F. Taylor, Burnley; Mr. H. G. Hewes, Burnley. Similar applications by the following chemists have been refused:—Mr. C. Dorsey, Dewsbury; Mr. W. Glenton, Warrington.

Applications for wine off-licences by drug departments of co-operative societies have been more numerous this year. In the following instances the application has been granted:—West Riding (Kilnhurst), West Ham

(London), Colne. The following have been refused:—Derby, Norwich, Otley (Leeds), Paignton, Southend-on-Sea.

Inquests

An inquest was held at Llanelly, on February 13, on the body of Mr. Arthur E. Williams, described as an unemployed Inland Revenue clerk. The case was one of suicide by means of nicotine, and the coroner remarked: "I think the only recorded case in this country of a man committing suicide by this method was in 1858. There has also been a case in America." [The returns of the Registrar-General for England and Wales give insufficient details of poisonings for the year 1858; but since 1881, when accidental and suicidal poisonings were first separated, ninety-one cases of suicide by taking nicotine or its preparations have been recorded.—EDITOR.]

Miscellaneous

THE date of the Liverpool School of Pharmacy students' dance at Reece's Café, Parker Street, has been changed to Thursday, February 22, at 8 p.m.

IN THE COURTS.—At Old Street Police Court, London, on February 7, Mr. Harry Pomerantz, a director of Pomerantz's Drug Stores, Ltd., Roman Road, E., was fined £5, with £2 2s. costs, for failing to forward to the Registrar of Companies a copy of his company's annual return for the year 1932.—At London Sessions, on February 8, Alfred Lewis (28), engineer, Earlham Grove, E., was sentenced to nine months' hard labour for receiving arsenic, medinal and atropine, which had been stolen from the Hygienic Stores, Ltd., Charing Cross Road, W.C.2.

GROCERS AND INSPECTION.—The report in "The Grocer" of the proceedings of the Federation of Grocers' Associations General Purposes Committee's meeting in London, on February 7 and 8, contains the following reference to inspection under the Pharmacy and Poisons Act, 1933:—"Representations have been made, through the Home Secretary, to the Poisons Board on behalf of retail grocers who have for many years sold disinfectants and simple remedies, while strong representations were also made to the County Councils Association as well as by direct representation to the county borough councils by our associations to combat the proposal of the Pharmaceutical Society that their inspectors should be appointed by such Councils as inspectors under the Act in respect to the shops of retailers other than registered pharmacists. We are glad to record that many Councils have already definitely decided to appoint their own inspectors. As soon as necessary a full advisory circular will be issued to all associations."

Irish Notes

Brevities

Mr. Michael Bree, L.P.S.I., Westport Quay, co. Mayo, has opened a pharmacy at Abbeyleix.

The Irish Free State Dangerous Drugs Act, 1934, received the signature of the Governor-General on February 9.

At the Nine Arts Ball held at the Gresham Hotel, Dublin, Sir Thomas Robinson (a member of the Council of the Pharmaceutical Society of Ireland) came as an eighteenth-century gentleman, with Lady Robinson as "Alice in Wonderland."

Miss Elizabeth J. Ryan, L.P.S.I., Red Park, Tynagh, Loughrea, co. Galway, has joined the Missionary Order of Nuns attached to the Maynooth Mission to China at Cahercon, co. Limerick. The first pharmacist to become associated with the mission was the Rev. Alphonsus Kerr, who is also a licentiate of the Pharmaceutical Society, and is at present on the Mission at Sientaochen, Hupeh, Hankow. Father Kerr is a brother of the Registrar of the Pharmaceutical Society, Mr. James J. Kerr, P.C.

At Holywood, co. Down, recently, the Belfast Co-operative Society were summoned for having sold vinegar containing an excessive amount of extract, ash, iron and phosphoric acid. The inspector put in an analyst's certificate which stated that in white malt vinegar these constituents should be absent, or present in infinitesimal amounts. So far as he knew there was no exact standard laid down for vinegar. The only thing he could turn up on the subject was a suggestion made by the Local Government Board in 1911. Counsel for the Society said the bottle was as it came from the manufacturer. Since the complaint had been made the Society has returned the whole consignment of vinegar and had received in return vinegar which satisfied the analyst. The Bench dismissed the case on payment of costs by the Society.

Belfast

Mr. Samuel Nevin, R.D., Kingsden Park, Belfast, has been elected secretary of the Shandon Park Golf Club, Belfast.

Mr. J. Henderson, R.D., Belfast, has been appointed a delegate for the Northern Ireland Branch of the National Federation of Sub-Postmasters to the annual Conference at Whitley Bay.

At the monthly meeting of the Belfast Philatelic Society, Mr. John Adams, Ph.C., gave an address on "The Stamps of Cyprus and St. Helena," displaying his own collection of the stamps of those islands.

At a meeting of grocers in Belfast, on February 7, called to protest against price cutting, Mr. T. L. Richardson said there was no reason why the grocery trade should not find itself in as strong a position as the drug trade. Price cutting in that trade, he understood, was practically negligible.

Sir Thomas McMullan (a member of the Council of the Pharmaceutical Society of Northern Ireland) has been co-opted a member of the Libraries, Arts and Museum Committee of Belfast Corporation. He has also been elected a member of the Advisory Committee of the Ulster Banking Co., Ltd., Belfast.

Scottish Notes

Methylated Spirit Drinking

Scottish local authorities and police forces, as well as chemists and drysalters, were represented at a conference in Glasgow, recently, when the question of methylated spirit drinking was discussed and suggestions made for exercising a stricter control in the sale of the commodity. Miss Florence Horsbrugh, M.P., who attended the conference, indicated the draft of the private member's Bill which she proposes to introduce in the House of Commons for a further measure of control in the sale of methylated spirits. Mr. J. Rutherford Hill, who spoke on behalf of the North British Branch of the Pharmaceutical Society, said the Customs and Excise could impose the condition that the seller must keep a record of sales, and take the signatures of purchasers. This, they felt, would go far to stop the purchase of the spirit. Mr. J. T. Smith, on behalf of the Glasgow and West of Scotland branch of the Drysalters' Association, said that surgical spirit was the real culprit. He produced a bottle of surgical spirit which, he said, was 85 per cent. alcohol. He had bought it that day in a chemist's shop, and no questions were asked. Chief Constable Sillitoe, Glasgow, said the number of arrests of persons suffering from the effects of methylated spirit drinking were but a drop in the ocean "compared with the amount of secret drinking that went on." A resolution was passed resolving that representations be made to the Secretary of State for Scotland to take immediate steps to have the law relating to the sale of methylated spirit, surgical spirit, and kindred spirits not otherwise controlled, amended, in order that the sale of such spirits for human consumption might be prohibited or prevented. The resolution was adopted unanimously.

Brevities

Mr. J. J. Blackie, Ph.C., A.I.C., has been appointed a governor of Heriot-Watt College, Edinburgh, in succession to the late Dr. George Coull.

A Glasgow newspaper states that there is a boom in "beauty culture." The period of instruction is one year, but apparently it takes five years to become a fully fledged "beautician."

Harkness, Beaumont & Co., Ltd., Junction Bridge, Leith, held their annual dance on February 9, at Crawford's Rooms, Shore, Leith. The function was attended by over 100 and was thoroughly enjoyed. Messrs. I. Davies and J. D. Finlayson acted as M.C.s.

"Scotia" (10/2) writes:—"The letter of Mr. H. M. Robin (*C. & D.*, February 10, p. 164) is opportune. It is nothing short of a disgrace that the powers that be have not taken steps to remedy what many firms are either unable, or unwilling, to do for themselves, i.e., to realise that the only way to uplift pharmacy is to honour and respect it. We may raise the standard of education, bind ourselves with legal chains and, in short, make 'doormats' of ourselves, but until we make membership of the Pharmaceutical Society the equivalent of a code of ethics, including a minimum scale of charges for professional work, we cannot expect to be shown respect by the public."

National Pharmaceutical Union

Branch Meetings

Cardiff.—The annual meeting of the Cardiff Branch was held on February 6, Mr. J. Lee Jones in the chair. The annual report and statement of accounts detailed the work accomplished during the past year, and there was shown a credit balance of £44. Officers for 1934 were elected as follows:—*Chairman*, Mr. A. J. Harris; *Vice-Chairman*, Mr. Owen Jenkins; *Secretary*, Mr. Trevor Thomas; *Treasurer*, Mr. S. B. Eason; *Committee*, Messrs. J. Lee Jones, J. D. Jenkins, J. Murray, W. G. Wigley, R. Robinson, J. Martin, A. Davies. Several important matters dealing with clinics and the supply of foods, medicines, etc., through municipalities to welfare patients, were discussed, and resolutions bearing on these points were passed for submission to headquarters.

Manchester.—A special meeting of the members of the Manchester and District Branch was held on February 8, Mr. W. Edwards in the chair. The meeting was called to protest against the new Tokalon gift scheme. In the course of discussion several speakers said the P.A.T.A. ought to have control over schemes of this nature, and no firm whose articles were protected by the P.A.T.A. should launch any scheme without the approval of the P.A.T.A. A resolution was passed unanimously protesting against the new Tokalon gift scheme and pledging the members of the Branch to do everything possible to defeat the same. The large attendance at the meeting was an indication of the opposition created by the scheme. The secretary (Mr. T. Miller) then read a communication dealing with the B.M.A. public medical services. After some discussion the secretary was authorised to get into touch with the local branches of the B.M.A., and state that in the establishment locally of any schemes of B.M.A. public medical service chemists were prepared to undertake the dispensing service under the schemes and would co-operate in making them a success. A short discussion on co-operative trading also took place, many members expressing strong views on the subject.

Topical Reflections

By Xrayser

Want of Loyalty

among pharmacists is undoubtedly the cause of the state of affairs implied in the letter on "Cheap Dispensing" on p. 164 of the *C. & D.* (February 10). And why cannot private prescriptions be marked by every pharmacist in a code which is known to all? The remedy for getting a uniform and more profitable fee for dispensing is in the hands of members of the trade as a body; and till all of us wake up to the imperative need for deciding upon common action the gradual whittling down of charges for dispensing will continue. This matter is surely one that local associations should place in a prominent position for discussion in their programmes. If this were done for a few months, and if discussions were followed by action, an improvement would be noticeable. Many subjects discussed at association meetings are purely academic; many deal with problems which are unsolvable or not likely to be solved for years. Here is one which is capable of solution. The machinery is to hand in the shape of pricing lists and systems; it needs only some co-ordinating committee to stir up the dry bones of apathy and indifference. Your correspondent is right in saying that no plumber or mason would lift his tools for 3d. When will pharmacists get the idea that they also are members of a trade union?

The Gain

in dignity to the Council of the Pharmaceutical Society by the appointment of Sir Humphry Rolleston, Sir Malcolm Delevingne and Professor Gunn as members should be evident to all; the gain in efficiency and in breadth of outlook should also make itself known in due course. It is no reflection upon the elected members of the Council to say that in the past their view-point upon many matters has been somewhat parochial. They will now come into contact with the views of those who may be expected to exhibit more statesmanlike qualities than the average member, because their calling and experience in wider fields than pharmacy have educated them in this respect. We all agree that the Pharmacy and Poisons Act, 1933, marks the beginning of a new era for pharmacy; and it is well that the Council can rely upon the guidance and advice of the eminent trio who have joined its deliberations.

The Functions

of the Pharmaceutical Society and the National Pharmaceutical Union have been clearly defined for many years, but they have been complementary. The one has been educational, the other commercial; the one has been concerned with theory, the other with practice. Hitherto they have pursued their respective work along parallel paths; with the coming of the new Pharmacy and Poisons Act it is likely that these may be divergent and their interests separate. The Society is now to all intents and purposes a Government Department, and it will be part of the work of the Union to defend its members against prosecutions for infringements of the new Act instigated by the order of the new Council. The suggestion, therefore, of "Post Cibos" (p. 136) that the time may have arrived when the Executive of the N.P.U. and the Council of the Society should be regarded as two separate bodies, and no man should be eligible to sit on both at one and the same time, is opportune. It should also be remembered that it is possible for pharmacists to have seats on the Executive of the Proprietary Articles Trades Association as well as of the other two bodies; and although it is not often that this policy of the P.A.T.A. clashes with that of the N.P.U. it may conceivably do so. The object of the pharmaceutical electors should be to choose their representatives upon as broad a basis as possible, and this can best be done by seeing that no man can hold the same kind of office in more than one of the three organisations.

Legal Reports

Interlocutory Injunction Refused.—In the Chancery Division of the High Court, London, on February 13, before Mr. Justice Crossman, Mr. W. P. Spens, K.C., on behalf of J. Lesquendieu, Ltd., Gerrard Street, W.1, in an action against Mr. Joseph Lesquendieu, Mount Pleasant, Alperton, moved for an interlocutory injunction to restrain the defendant from selling or advertising for sale perfumery under the trade mark "La Reine des Cremes" in breach of an agreement dated March 30, 1926. Mr. Spens said the defendant formerly carried on business in France in the sale of perfumery, including the face cream "La Reine des Cremes." He formed his business into two companies, but reserved the right to deal with the various products in England, Scotland, Ireland and Wales. In March 1926 he gave the plaintiffs an exclusive licence to use the Lesquendieu trade marks, including "La Reine des Cremes," in this country. The plaintiffs were bound to sell nothing but these particular goods, which were to be supplied by the French companies. When import duties were imposed the defendant started a factory at Alperton, and for two years the plaintiffs bought from him in ignorance of the fact that he had parted with his interest in the French companies to an American company. Proceedings had been brought by the French companies to prevent the plaintiffs from buying goods from anyone other than those companies. The defendant had required plaintiffs to purchase their supplies from him. They did not do so, and the defendant proceeded to sell direct to the public himself. He had advertised in trade papers, including THE CHEMIST AND DRUGGIST. Mr. F. R. Evershed, K.C., for the defendant, contended that the plaintiffs had repudiated the agreement, and said this was a case in which no interlocutory relief ought to be granted. His lordship said the question was whether subsequent events had affected the obligation on the part of the licensor not to sell the goods in this country. It was difficult to come to the conclusion as to the exact result of what had happened, but he was satisfied he ought not to grant an interlocutory injunction. There would be no order on the motion, and the plaintiffs would have liberty to apply for an early trial. The defendant must keep an account of his sales meanwhile.

New Companies
and Company News

P.C. means Private Company and R.O. Registered Office

JEFFREY CARTER, LTD. (P.C.).—Capital £200. Objects: To carry on the business of wholesale and retail chemists, druggists, opticians, etc. R.O.: 8 Victoria Parade, Cranbrook Road, Ilford.

RONALD G. LEONARD (CHEMISTS), LTD. (P.C.).—Capital £500. Objects: To acquire the business of a dispensing chemist heretofore carried on by Ronald G. Leonard at 49 Norfolk Street, Swansea.

E. J. EAST, LTD. (P.C.).—Capital £200. Objects: To carry on the business of manufacturers of and dealers in optical, surgical and scientific instruments, etc. Solicitors: Hutchison & Cuff, 6 Stone Buildings, W.C.2.

CALEDA CHEMISTS SUPPLY CO., LTD. (P.C.).—Capital £100. Objects: To carry on the business of manufacturing chemists and druggists, photographers, etc. R.O.: 45 London Wall, E.C.2.

FOX, ROY, ALLEMAND & COMPANY, LTD. (P.C.).—Capital £3,000. Objects: To carry on the business of manufacturers of and dealers in substances capable of being used in the manufacture of paper, glue, gelatine, fertilisers, chemical compounds, etc. Solicitors: Godfrey, Warr & Co., 19 Fenchurch Street, E.C.3.

O. ROBERTS-JONES, LTD. (P.C.).—Capital £200. Objects: To carry on the business of pharmaceutical and dispensing chemists and druggists, etc. Solicitors: Hugh Jenkin, Holyhead.

COSTER (CHEMISTS), LTD. (P.C.).—Capital £100. Objects: To acquire the business of a chemist and druggist now carried on by Patrick E. Coster at 21 Wastdale Road, Forest Hill, S.E.

PEOPLES PRESCRIPTIONS, LTD. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers of and dealers in patent medicines and remedies, etc. Solicitor: W. D. Peskett, Brighton.

G. A. HUTTON & COMPANY, LTD. (P.C.).—Capital £100. Objects: To carry on the business of merchants and agents for chemicals, drugs, etc. R.O.: Napier House, 24/27 High Holborn, W.C.1.

G. T. BEE (CHEMISTS), LTD. (P.C.).—Capital £100. Objects: To carry on the business of pharmaceutical and general chemists, etc. Secretary: G. T. Bee. Solicitor: L. Wolfe, 47 John Street, Sunderland.

FOYLE & SONS, LTD. (P.C.).—Capital £100. Objects: To carry on the business of manufacturing and dispensing chemists and druggists, dealers in photographic apparatus, etc. Solicitors: Cotching & Son, Horsham, Sussex.

DR. CARSON'S PRODUCTS, LTD. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers of and dealers in pharmaceutical, medicinal and other preparations, etc. Solicitors: John B. Borer, 235 Regent Street, W.1.

W. W. FRANKLIN & CO., LTD. (P.C.).—Capital £300. Objects: To adopt an agreement with Wm. W. Franklin, and to carry on the business of wholesale and retail chemists and druggists, etc. R.O.: 411 Osmaston Road, Derby.

SANITARY DRY LIME COMPANY, LTD. (P.C.).—Capital £500. Objects: To carry on the business of manufacturers of and dealers in chemicals, gases and disinfectants, drugs, medicines, fertilisers, etc. R.O.: Britannia Works, 50 Brasenose Road, Bootle, Lancs.

BELL-MORAN COMPANY, LTD. (P.C.).—Capital £5,000. Objects: To carry on business as manufacturers of and dealers in paste, gum and glue, and all kinds of adhesive and binding solutions and general chemical manufacturers, etc. R.O.: Thanet House, 231 Strand, W.C.2.

W. E. TAYLOR & COMPANY, LTD. (P.C.).—Registered in Edinburgh. Capital £2,000. Objects: To acquire the business of W. E. Taylor & Company carried on by Alfred H. Gracie at 27 Cadogan Street, Glasgow, and to carry on the business of wholesale chemists and druggists, etc.

CRAIG MCDOWALL & SON, LTD. (P.C.).—Capital £5,000. Objects: To carry on the business of chemists and druggists, manufacturers and merchants of chemical products, etc. Robert Craig McDowall, Maney Hill Road, Sutton Coldfield, analytical chemist, permanent director and chairman.

S. C. & M. (CHEMICALS), LIMITED (P.C.).—Capital £66,000. Objects: To acquire from the Gas Syndicate, Ltd., a licence relating to certain industrial processes and the user thereof, together with the benefit of the patents and other protections; to exploit the same, and to carry on the business of technical, industrial and manufacturing chemists, experimenters and developers in regard to all kinds of chemical and technical development. The first directors are:—Daniel S. Peploe (chairman), The Crossways, Sunningdale (director of Spencer, Chapman & Messel, Ltd.); Harry Heathcote, 26 Draycott Road, E.11 (director of Spencer, Chapman & Messel, Ltd.); Thos. W. Jacks, Oakdene, Highfield Road, Hornchurch; Edward H. Strange, Belvedere, St. Lawrence, Isle of Wight (director of Gas Syndicate, Ltd.); Morgens L. Bramson, The Lodge, Pinner (director of Gas Syndicate, Ltd.); Thomas Kane, The Old School House, Ashwicken, King's Lynn. R.O.: Walsingham House, Seething Lane, E.C.

Voluntary Liquidations

Daniel Vahrman, Ltd., 76 Brick Lane, London, E.1, chemists and druggists. The statutory meeting of creditors was held recently at the offices of the Association of Manufacturing Chemists, Holborn Viaduct, E.C. It was stated that the shareholders had met and passed resolutions for the voluntary liquidation of the company. A statement of affairs was submitted showing liabilities of £805 7s. 11d., of which £471 17s. 8d. was due to the trade; there were cash creditors for £332 7s. 5d., and the bank's claim amounted to £1 2s. 10d. The assets, which chiefly consisted of stock, were estimated to realise £516 5s., and were subject to preferential claims of £65 7s. 8d., leaving net assets of £450 17s. 4d., or a deficiency of £354 10s. 7d. It was reported that the company was incorporated in October 1921 with a nominal capital of £1,000, of which £903 had been issued for cash. For the year ending March 31, 1932, the turnover was £2,476, the gross profit was £1,074, and there was a net loss of £124. In the following year the sales were £1,925, the gross profit was £825, and there was a further net loss of £165. In the forty-three weeks to January 29, 1934, the turnover was £1,336, the gross profit amounted to £596, and there was a net loss of £401. It was stated that the creditors had been circularised to the effect that it might be possible to arrange for a composition of 2s. in the £ to be paid, but this proposal was rejected and the creditors decided that the voluntary liquidation of the company be confirmed. A committee of inspection was also appointed.

Malcolm (Chemists), Ltd., 7 Mill Street, Ottery St. Mary, Devonshire. The statutory meeting of the creditors was held recently at Kimberley House, Holborn Viaduct, E.C., when Mr. P. S. Booth submitted a statement of affairs which disclosed liabilities of £913 3s. 2d., of which £766 5s. 2d. was due to the trade and the balance to cash creditors. The assets amounted to £367 16s. 2d., from which had to be deducted £45 7s. 3d. for preferential claims, leaving net assets of £322 18s. 11d., or a deficiency of £590 14s. 3d. The company was incorporated in November 1931 with a capital of £100, all of which was issued and paid for in cash. The turnover for the year to November 1932 was £1,186, and for the fifteen months to January 1934 the sales were £1,372, gross profit was £488, and there was a net loss of £185. A resolution was passed confirming the appointment of Mr. Booth as liquidator, with a committee of inspection consisting of the representatives of three of the creditors.

Private Arrangement

Harold Speakman, trading as H. Speakman & Co., 124 Water Street, Manchester, dealing in antiseptic composition and gelatin. A meeting of the creditors was held at Manchester recently, when a statement of affairs prepared by Mr. Malcolm Liggett, I.A., Manchester, was submitted showing liabilities of £1,733 17s., of which £979 1s. 3d. was due to the trade, and there were cash creditors for £754 15s. 9d. The total assets amounted to £264 15s. 10d., from which had to be deducted preferential claims of £23 9s. 2d., leaving net assets of £241 6s. 8d., or a deficiency of £1,492 10s. 4d. It was stated that debtor commenced the business just under two years ago, with borrowed capital, and since then other sums had been advanced to him for use in the business. The turnover over the whole trading period was £3,459, which produced a gross profit of £783 and a net loss of £793. Debtor had drawn £461. Debtor's father, who was a loan creditor for approximately £463, said that he was prepared to waive his claim, and in addition was willing to purchase the assets for £300. It was pointed out that if that course was adopted it would enable a dividend of between 4s. and 5s. to be paid to the unsecured creditors. The creditors decided that the deed of assignment already executed be confirmed, with Mr. Liggett as trustee.

Bankruptcy Reports

Re William Moffat Nicholson, 8 Yates Street, Aston, Birmingham, late High Street, Kirton-under-Lindsey, Lincs, chemist and druggist. The first meeting of the creditors was held recently at the Official Receiver's office, Birmingham. Debtor said his failure was due to commencing business without capital, interest on borrowed money, loss on the sale of the business, and ill-health. His statement of affairs showed gross liabilities of £770 4s. 9d. and a deficiency of £735 4s. 9d. The matter was left in the hands of the Official Receiver, as trustee.

Re Alfred Bird Stathers, 19 South Street, Scarborough, Yorkshire, chemist and druggist. At the public examination recently held at the Court House, Scarborough, debtor's statement of affairs showed gross liabilities of £311 1s. 10d., of which £297 1s. 10d. was expected to rank for dividend. The assets were estimated to produce £15, but were absorbed by preferential claims. Debtor said that in 1910 he took over the druggist's business formerly carried on by his father at Union Street, Filey. In 1913 debtor transferred the business to a limited company, of which he was manager and a director. In 1927 the company went into voluntary liquidation, and at that time debtor also made an arrangement with his private creditors, whose claims amounted to £344. A composition of 5s. in the £ was paid on those debts. In September 1928 debtor purchased the druggist's business at South Street, Scarborough. Debtor had kept only a record of his receipts and payments from October 1, 1928, to March 31, 1932, and had prepared no balance sheets, trading or profit and loss accounts. The examination was closed.

Business Changes

Mr. Ira Peace, chemist and druggist, has opened a branch at 162 Liverpool Road, Cadishead.

Arthur Jackson (Chemists), Ltd., have opened a business at 21 Bank Street, Teignmouth.

Mr. A. Williamson, chemist and druggist, Birkenhead, has opened a branch in Woodchurch Road.

Piquets, chemists, 72 Bath Street, St. Helier, have taken over the Beaumont Drug Store as a depôt.

Mr. S. E. Allsop, chemist and druggist, is opening a pharmacy at 34 Alcester Road South, Birmingham.

Alisons' (Chemists), Ltd., have opened a pharmacy at the corner of Thingwall Hall Drive and Thomas Lane, Broadgreen, Liverpool.

From February 17 the address of Bourjois, Ltd., for all communications to the head offices, factory and laboratories will be Queen's Way, Croydon. Telephone: Fairfield 4134.

Westminster Wisdom

Notes on Parliamentary Matters

Dangerous Drugs

Mr. David Grenfell asked the Home Secretary on February 8 whether he had appointed any inspectors to supervise the sale of drugs of the barbituric group; and whether he is satisfied that power exists under the existing law to prevent the increasing sale of these dangerous drugs.

Sir J. Gilmour: The Pharmacy and Poisons Acts contain no provision for the appointment of Government inspectors. As regards the second part of the question I would refer the hon. Member to the reply which I gave to a question on this subject by the hon. Member for Reading (Dr. Howitt) on the 1st inst. [*C. & D.*, February 10, p. 139]. I have no reason, as at present advised, to suppose that the powers of control of the sale of poisons conferred by the Pharmacy and Poisons Act, 1933, will not prove adequate for this purpose.

The Chemist's Guide to the BRITISH INDUSTRIES FAIR 1934

Based on information supplied by Exhibitors

THE London section of this year's British Industries Fair opens at Olympia, W.14, on February 19 and closes on March 2. The latest figures show that the demand for space has created a fresh record. Adding the areas covered at the White City and in the Birmingham section, the total is about 800,000 sq. ft.; and a further detail is that the additional space alone is almost equal to the whole space occupied by the first Fair, held in 1915. Publicity material on a large scale, in nine languages, has been distributed.

For the convenience of our readers we are giving, in advance of the event, descriptions of various exhibits derived from the manufacturers themselves. The paragraphs are classified in the order that has been found useful in past years. The stand of THE CHEMIST AND DRUGGIST is No. A13 (telephone: Shepherd's Bush 3757); we need hardly explain that trade visitors from this country or overseas will be welcome. We may add that our representatives in charge of the stand will have a new and very important publication to show, namely, the second volume of "Pharmaceutical Formulas" (tenth edition), referred to in more detail in an editorial article in this issue. We believe that sufficient copies have arrived from the binders to supply the immediate demand, which, we expect, will be heavy. In any case frequent deliveries will be arriving.

The general arrangements for trade visitors will be similar to those of last year. A charge of 2s. will be made for a badge entitling the wearer to visit the London and Birmingham sections of the Fair as often as desired. Members of the public will pay 2s. each for admission on each occasion. The hours of opening are:—Olympia and White City—for buyers, 9.30 a.m. to 7.30 p.m. daily, except Sunday; for the general public, 4.30 p.m. to 7.30 p.m. daily, and on Saturday, February 24, and Friday, March 2, from 9.30 a.m. to 7.30 p.m. Castle Bromwich—10 a.m. to 6 p.m. daily, except Sunday. There will be no formal opening ceremony in any section of the Fair.

Drugs, Chemicals and Proprietaries

Albright & Wilson, Ltd., A. 85

Oldbury, Birmingham, are again exhibiting a full range of their products with one notable addition—chlorate of soda. This product is manufactured by one of Albright & Wilson's associated companies in Canada. Stocks are already held in the main ports of this country, and supplies will be available for the requirements of the British Empire. It is being sold by Clifford Christopherson & Co., Ltd., Marlow House, Lloyd's Avenue, London, E.C.3, their associated company. Another subsidiary company, the Scottish Chemical Co., Ltd., are showing a full range of their Koo-doo brand tartaric acid. The most important products, namely, phosphorus and its compounds, phosphoric acid (pure and technical), the glycerophosphates and hypophosphites are again exhibited in a central glass case, in which a display of Albright & Wilson's chemicals has figured for many years. Besides these, a number of well-known products are again in evidence, including the ortho-phosphoric acid salts of sodium, calcium, potassium, ammonium and magnesium. Ibex, the Albright & Wilson brand of 80 per cent. acid calcium phosphate; Antelope, of which the chief constituent is acid sodium pyrophosphate; tri-sodium phosphate, of which new grades in the form of free-flowing crystals, of fineness to suit customers' requirements, have recently been introduced; di-sodium phosphate, for industrial purposes; carbon tetrachloride (technical and medicinal); ammonium persulphate; sulphur precipitated and lac, are among the products shown on the stand. A development of interest is the rapid growth of the use of carbon tetrachloride for dry-cleaning purposes, its non-inflammability and high solvent action being two outstanding advantages.

A. Boake, Roberts & Co., Ltd., A. 90

Carpenter's Road, Stratford, London, E.15, have, as usual, a wide range of chemicals covering practically every kind of chemical industry and practice. They give prominence to solvents, plasticisers, gums and resins chiefly used in the preparation of cellulose nitrate and cellulose acetate lacquers, plastics and moulded products, also in the paint and varnish trades and in printing inks. Next may be mentioned metallic oleates, stearates, linoleates, palmitates and resinates. These are guaranteed to contain a definite metal content and can be supplied in the fused or the precipitated form. Many not previously exhibited will be on view. Of technical chemicals we may instance liquid sulphur dioxide in glass syphons, tins and iron cylinders, sulphites, hyposulphites, bisulphites, metabisulphites, phosphates, saponins and sulphonated oils. A variety of fine chemicals, essential oils and intermediates includes several of which Messrs. Boake, Roberts & Co. are the only manufacturers in this country. There will be a display of perfume bases for use in scents, soap, bath salts, creams, brilliantines, dentifrices, lotions, etc.; and materials for covering the odours of oils, fats, waxes and solvents. The pharmaceutical products are guaranteed to comply with all the requirements of the British Pharmacopœia. Messrs. Boake, Roberts & Co. are the sole distributing agents in the United Kingdom and Irish Free State for the acetic acid and carbon black of Shawinigan, Ltd., the Canadian manufacturers. Flavouring essences, food colours and food preservatives for all purposes will form another part of the exhibit. There will be a special display of Drydex flavours in view of the readiness of their acceptance both in this country and abroad. A final item is disinfectants, detergents and deodorisers suited to individual cases.

British Industrial Solvents, Ltd., A. 14

Kinnaird House, 2 Pall Mall East, London, S.W.1, manufacture synthetically a large range of alcohol derivatives. An interesting and illuminating chart, published by them, is to be seen on their stand. The relationship which one product bears to another is clearly shown, and also that nearly all the products made can be traced back to ethyl alcohol. Acetic acid, acetone, normal butyl alcohol and mixed esters are produced in large quantities at the company's factories at Hull and Carshalton. These products are extensively used in the manufacture of artificial silk and nitro-cellulose lacquers. Various other products are offered, and a booklet is published giving the specifications and uses of the range of chemicals normally produced. The list must not be taken as final, however, and any inquiries for products not specifically mentioned will be welcome.

W. J. Bush & Co., Ltd., A. 88

Ash Grove, Hackney, London, E.8, are exhibiting a complete range of fine chemicals such as terpineol, coumarin and phenyl ethyl alcohol, together with a number of isolates and special products for the soap and perfumery industries. They are also showing samples of all the essential oils which can be distributed in this country, and in addition such specialities as vanillin, aspirin, benzaldehyde practically free from chlorine, cinnamic aldehyde, benzoic acid, sodium benzoate, and cream of tartar. Special attention is drawn to their Fre-Flo brand of aspirin, which is of very pure quality, exceptionally free from objectionable taste, and highly appreciated by reason of its physical form by tablet-makers. Messrs. Bush & Co. are also featuring methoxy-acetophenone; although it has been known for many years it has not been produced in this country, and no very great use has been made of it owing to its fairly high price. Now it can be obtained at a reasonable price, it should find extended use in the perfumery and soap industries, as it is stable to alkali over an extended period. It has a very sweet note.

The Gas Light & Coke Co., A. 68

Dauntsey House, Frederick's Place, London, E.C.2, are showing phenols classified in B.S.I. grades, viz., distilled carbolic acids; phenol; ortho-, meta- and para-cresol; cresylic acid in various grades, and xylenols. Benzol and the homologous hydrocarbons maintain their importance. Toluene to usual commercial requirements is another product on view. Pyridine bases with various boiling point ranges and commercially pure pyridine are also available, together with naphthalene, liquid ammonia, sulphuric acid, sulphate of ammonia (dry, neutral), copperas crystal and spent oxide. The company always stages its exhibits in an attractive setting.

The General Chemical & Pharmaceutical Co. Ltd., A. 42

Judex Works, Sudbury. This company has on the present occasion departed from its practice in other years, and is making a display of Judex analytical reagents and laboratory chemicals in the packages in which they are supplied to the user, supplemented by an exhibit of selected items in show bottles which permit the form and appearance of the chemical to be inspected, and so demonstrating its standards of both packing and production. Visitors from schools and universities will be interested in an exhibit of the newly-introduced Charter chemicals for educational laboratories, as chemicals bearing this brand are sold exclusively for the use of recognised educational institutions with a guarantee of their particular suitability for teaching purposes. Of the individual exhibits a further group of special reagents for metals will appeal to those who have experienced the advantages of the new technique based on the use of reagents of this character; the group includes reagents for the detection of silver, mercury, cadmium and lead, with reagents for the gravimetric estimation of copper and the colorimetric estimation of bismuth. Exhibits of accumulator acid, disinfectants, dipping acid and other Oasis and Vulcan products are also shown.

Hopkin & Williams, Ltd., A. 87

16 Cross Street, Hatton Garden, London, E.C.1, have been manufacturing fine chemicals in this country since the middle of last century. The exhibit draws special attention to the company's well-known H. & W. Brand of analytical reagents and to the company's book "Analytical Reagents, Standards and Tests" containing particulars of some 180 substances, including a complete range of buffer-solution components and many organic compounds. During the past year a second publication, complementary to the first, and bearing the title "Organic Reagents for Metals," has been published by the company. This booklet, available at a low price, contains particulars of the experimental technique for the employment of seventeen organic reagents in the qualitative detection and the quantitative determination of various metals. Specimens of the reagents dealt with in the booklet are on view. Many interesting organic fine chemicals are shown, among which are aminoacetic acid (now finding extended therapeutic employment) and hippuric acid. Piperidine and ethylenediamine hydrate of good purity and comparatively low price are now available. The company's well-known varieties of ammonium bromide for photographic use, of uranium compounds for the ceramic industries, of barium sulphate for *x*-ray diagnosis, and of selenium compounds for the glass industry are also on view.

Howards & Sons, Ltd., A. 86

have a comprehensive exhibit of fine chemicals for many purposes, pharmaceutical and technical. Prominence is given to aspirin, in crystal, powder and a special granular form, eminently suitable for tablet-making; sodium salicylate, flaky crystal and powder; the Epsom salts and Glauber's salt for which Messrs. Howards have been famous for very many years. Among the specialities shown are quinisan (for influenza, colds, tonsillitis, etc.); agotan; and optochin. Among perfumery chemicals are Howards' phellandrene, a pine-like oil for use in soap and perfumery trades; flodia, a new fixative for perfumery which is universal instead of being merely selective; Howards' synthetic menthol, the first product of its kind to be placed on the world's markets; and thymol. There is shown, in addition to these, some of the products for which Howards are noted, including quinine, bicarbonate of soda, bismuth (particularly an innovation in the shape of bismuth carbonate in definite fixed densities specially suitable for dispensing), standard ether and many other fine chemicals. A wide range of lactates will also be shown; this will include B.P. lactic acid of improved quality; calcium lactate in various forms; sodium calcium lactate (granular, powder and tablets). The exhibit is completed by a display of solvents for use in the textile and other trades.

Imperial Chemical Industries, Ltd., A. 86/89

Millbank, London, S.W.1, occupy a stand arranged jointly between I.C.I. (Alkali), Ltd., I.C.I. (General Chemicals), Ltd., and the I.C.I. Dyestuffs Group. Special prominence is given to products of exceptional novelty or interest. In the alkali section, which occupies the right-hand side of the stand, these will include a new alkaline detergent, marketed under the name of Lustros, for the cleansing of milk and other bottles. In addition, water-softening chemicals of a high degree of purity, such as sodium aluminate, will be displayed, and a feature will be made of sodium carbonate monohydrate, manufactured by I.C.I. (Alkali), Ltd. This is one of the purest known forms of this important product. The exhibit of I.C.I. (General Chemicals), Ltd., will include samples of Seekay wax, a non-inflammable wax. Various grades of this product, covering a wide range of melting points, will be shown. Seekay wax enables rubber floor coverings to be rendered flame-resisting without detracting from the useful properties of the rubber. Another product to be shown in this section is a new concentrated bleaching powder, containing 75 per cent. of available chlorine instead of the 35 per cent. of ordinary bleaching powder. The most striking exhibit in the dyestuffs section will be strips of aluminium, dyed in various

colours. Hitherto metal was about the only substance in common use which had resisted all efforts of the dyer; and even now, aluminium is the only metal which can be treated. A new process has made possible the modification of the surface of this metal so that it will take up and retain any known direct colour, thus opening up great possibilities. Most of the latest additions to the range of dyestuffs put out by the Dyestuffs Group will be shown, along with the many auxiliary products recently developed.

Imperial Smelting Corporation, Ltd., A. 37/41

have their headquarters at 95 Gresham Street, London, E.C.2. The following subsidiary companies are exhibiting:—The National Smelting Co., Ltd.; Orr's Zinc White, Ltd.; Fricker's Metal & Chemical Co., Ltd.; The Delaville Spelter Co., Ltd.; The Northern Smelting & Chemical Co., Ltd.; Improved Metallurgy, Ltd.; National Alloys, Ltd.; Cuprinol, Ltd. Among the products manufactured by these subsidiary companies are lithopone, zinc sulphide, zinc oxide, leaded oxide, sulphuric acid, white barytes, zinc dust and cuprinol. The main purpose of the Corporation is the production of zinc and sulphuric acid, and during the past year they have purchased the works of the Sulphide Corporation at Seaton Carew and the plant of the Delaville Spelter Co. at Bloxwich. The acquisition of these plants in the North and Midlands, together with their works at Avonmouth and Swansea Vale, completes their facilities for efficient and economical manufacture and distribution. They have also purchased the American patent rights for the distillation of zinc in vertical retorts. This method of production, together with other patent rights which they have obtained for the refining of zinc, has created fresh prospects for an extension of the practical uses of zinc. They have also acquired the patent rights for the United Kingdom for the manufacture of pure zinc sulphide by a new and greatly improved process. Cuprinol, the result of many years of scientific research and experiment, has been launched on the British market with a strong advertising campaign.

Johnson & Sons Manufacturing Chemists, Ltd., A. 70

Hendon Way, London, N.W.4, are displaying a full exhibit of fine chemicals required for technical, general, photographic and pharmaceutical purposes, including silver nitrate and salts of other precious metals. There is also an example of every developing agent required in photography, process engraving, radiology, cinematography, etc., and a representative group of pharmaceutical chemicals and galenicals. Last year Messrs. Johnson & Sons made a special display on the stand of the Association of British Chemical Manufacturers of hydroquinone, the manufacture of which had just been started in this country. Special prominence is naturally being given to this product, together with the other developers. The company are also showing collodions, a synthetic dragon's blood (known as Bloodit), and a specially fine recrystallised ammonium bichromate.

B. Laporte, Ltd., A. 33, A. 45

Luton, are once again exhibiting at the Fair after several years' absence. Their principal product is hydrogen peroxide, of which the company manufactures all strengths. The company issues a brochure dealing very fully with the use of hydrogen peroxide as a bleaching agent. In addition to supplies for technical purposes, a medicinal product for personal use is manufactured and marketed under the name of Genoxide. Barium sulphide, barium carbonate, barium hydrate, barium peroxide and barium sulphate (blanc fixe) are among the barium products exhibited. Sodium perborate, acid sodium pyrophosphate and neutral pyrophosphate of soda are also shown. National Titanium Pigments, Ltd., Luton, and Malehurst Barytes Co., Ltd., Minsterley (subsidiaries of B. Laporte, Ltd.), are also exhibiting. The former are showing British-made titanium pigments, and the latter ground barytes.

J. F. Macfarlan & Co., A. 43

Edinburgh, and 32 Bethnal Green Road, London, E.1, first prepared morphine, one of their principal exhibits, on a commercial scale about the year 1831. As time went on, diacetylmorphine and ethylmorphine were first prepared by them and the properties investigated by Messrs. Stockman and Dott. Messrs. Macfarlan also make opoidine, a preparation of the alkaloids of opium, which has a standardised alkaloidal content. Opoidine is soluble and injectable. Early in 1848 they put chloroform and ether for anæsthetic purposes on the market, and their brands are known throughout the United Kingdom and the Dominions. For export these anæsthetics are put up in square bottles, effecting a considerable saving in freight. Ether for export is also put up in square tins, which effect an even greater economy in freight. Messrs. Macfarlan draw special attention to their Brisettes (crushable capsules) of chloroform, prepared for use as an analgesic in childbirth. They were first made by them for the National Birthday Trust Fund, under whose auspices the Brisettes have been tested in some 6,000 cases, with very satisfactory results. They also manufacture strychnine, which for export is packed in 1-oz. tins enamelled bright red. They draw special attention to what they consider the neglected pharmacopœial drug, salicin, invaluable in the treatment of influenza, muscular rheumatism, etc.

Thomas Morson & Son, Ltd., A. 65

47 Gray's Inn Road, London, W.C.1, and Ponders End, whose history dates back 112 years, are showing some of the numerous chemicals manufactured by them for use in pharmacy, research, and industrial and technical processes. Among them are the medicinal "Kreosotes" for which Messrs. Morson have been famous since the year 1854. Kreosote lactate (Morson) is a true ester of creosote and one which lends itself to manifold uses in medicine. It is a pale viscous liquid with a pleasant taste. Kreosote lactate (Morson) is soluble in alcohol, ether, chloroform and dilute phosphoric acid, but is sparingly soluble in distilled water, a feature which enables one to distinguish it readily from mechanical mixtures of lactic acid and creosote.

Trade Commissioner for Mysore in London, A. 38

Grand Buildings, Trafalgar Square, London, W.C.2. This stand contains several items of interest to chemists, including the following:—Sandalwood oil, E.I., sandalwood terpenes, sandalwood soap, davana oil, chigatamari oil, gingelly oil, types of incense sticks, toilet preparations and well-known preparations now on the market that contain Mysore sandalwood oil perfume. It is hoped to exhibit some toilet preparations made in Mysore—pomades, creams, shaving soap, etc.

South Metropolitan Gas Co., A. 67

709 Old Kent Road, London, S.E.15, are exhibiting many "Metro" coal tar and ammonia products resulting from the distillation of coal. Among these are "Metro" dry neutral sulphate of ammonia; "Metro" disinfectant fluid; "Metro" wood preservative; naphthalene; solvent naphtha; sulphuric acid; sulphate of iron.

Spencer Chapman & Messel, Ltd., A. 36

Walsingham House, Seething Lane, London, E.C.3, are showing oleum (fuming sulphuric acid), concentrated sulphuric acid, chemically pure sulphuric, hydrochloric, and nitric acids, and battery acid.

Thomas Tyrer & Co., Ltd., A. 64

Stirling Chemical Works, Stratford, London, E.15, are exhibiting an extensive range of chemical products. One case in the exhibit is devoted to bismuth salts. Particular attention is drawn to the carbonate, which is shown in all densities, from "extra light" to "heavy," also to bismuth sodium tartrate in scale form. Messrs. Thomas Tyrer & Co. have an outstanding reputation for

the excellent appearance and purity of their scale preparations; samples of their iron and ammonium citrate, B.P., 1932, and iron and quinine citrate, B.P., 1932, are shown, also hypophosphites. The fine dry granular form of their citrates of sodium and potassium, B.P., 1932, is demonstrated by the samples. Messrs. Tyrer & Co. are among the well-known manufacturers of "driers"; specimens of these products are exhibited, including salts of cobalt, manganese, lead, etc. There are also on view technical chemicals which find application in industries such as the oil, paint, rubber, photographic, cosmetic and ceramic. A material of increasing use and importance in the oil and paint industries, also shown, is aluminium stearate. Zinc, magnesium and calcium stearates, specially manufactured for cosmetic and allied purposes, find a place in the exhibit. Reference must also be made to photographic chemicals, particularly sodium sulphide, iron and ammonium oxalate, and iron and ammonium citrate (green scales).

V. K. Manufacturing Co., Ltd., A. 149

Hibernia Chambers, London Bridge, London, S.E.1, show Vi-tone, a new tonic food beverage. Vi-tone is made from chocolate, milk and malt extract and is stated to contain all the vitamins of the Soya bean. It is claimed to be sustaining, easily and quickly prepared, and appeals to the most fastidious palate. The company shows also Columbia brand unsweetened evaporated milk, which they state is a product of Canada's finest pastures. It is guaranteed pure and vacuum packed under the most hygienic conditions. A tribute to its quality is the fact that it is supplied to H.M. Forces throughout the world. It is sold in 16-oz. tins, equivalent to 2 pints, and 6-oz. tins, equivalent to ¾ pint.

Whiffen & Sons, Ltd., A. 66

Aldersgate Chemical Works, Carnwath Road, Fulham, London, S.W.6, give first place in their exhibit to potassium iodide and potassium bromide. The former is of particular interest this year owing to the great fall in value since the last Fair. Prominent also is Hulle's strychnine, so much in demand in Australia and New Zealand, and still the most potent weapon in the continuous war to abate the ravages of the rabbit plague. Caffeine, quinine salts, salicin, atropine and emetine are also shown, in addition to a wide range of other fine chemicals and minor salts. A preparation which has made considerable headway since shown last year is Gelozone, a product of carragheen, and now in extensive use in place of gelatin in ice cream. In the mercurial group the company shows three of the many shades of vermilion. These are specially prepared for use in the paint, printing ink, sealing wax and dental rubber trades.

Toilet Preparations and Requisites

Addis G. 65

Brush Works, Hertford, have a comprehensive range of bone and celluloid tooth-brushes, dental plate brushes and nail brushes. There is every shape, every colour, every price to choose from, also wood-backed nail brushes, manicure brushes, cosmetic brushes, spatulas, corn rasps and celluloid combs. Among the novelties on view are the Addis Mickey and Minnie Mouse tooth-brushes which appeal to every child. Addis shorthead tooth-brushes are now among the best-selling lines in the country.

Anzora Perfumery Co., Ltd., E. 73

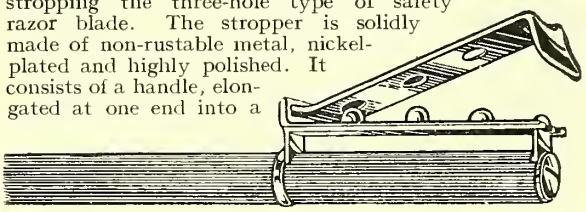
28 Willesden Lane, London, N.W.6, are showing a full range of their popular Anzora preparations for the hair, including the Cream, Viola, Brilliantine and Wave Setting Lotion. A new line is the Wave Setting Lotion for ladies. Chemists will be interested to know that there are new showcards for displaying all products.

Auto Steel, Ltd., E. 72

9B Albert Street, Belfast, show razor blades to suit all holders. Among the new lines is a specially designed blade which, it is claimed, suits all three-peg and bar type holders; the blades are sold in gold and coloured envelopes, dozen cartons mounted one gross on cards.

The Barry Blade Stropper Co., F. 74

First Avenue House, High Holborn, London, W.C.1, are showing the Barry blade stropper, a new device for stropping the three-hole type of safety razor blade. The stropper is solidly made of non-rustable metal, nickel-plated and highly polished. It consists of a handle, elongated at one end into a



spindle on which a serrated roller revolves. Attached to the roller by two uprights, of sufficient height to permit free passage of the strop, is a rocking blade carrier which has three studs and a clipping device to hold the blade rigid. In action, one end of the strop is attached to a hook, with the stropping surface downward, the free end being passed between the roller and the blade carrier, with the roller on top of and the blade underneath the strop. The roller is passed backwards and forwards over the strop, a downwards pressure being maintained. This action, combined with the independent rocking action of the blade carrier, presents each edge against the strop at the ideal stropping angle, while the direct pressure obtained by the avoidance of all cog-wheel transmission enables the weight of the stropping to be varied, and, an important point, the bevelling of the under-plate of the blade carrier makes it impossible for the user to cut the strop, even though pressure is exerted in the wrong direction.

Bathes, Ltd., E. 63

24 Fleet Street, Torquay, show Bathe's original Devon Violets perfume packed in local (Torquay) pottery jars, in wickers and in a variety of bottles—thirteen shapes and sizes in all. The stand includes also toilet preparations, such as powders, creams, soaps, frictions, etc., all perfumed with Bathe's Devon Violets. Among the new lines may be seen a smaller sized jar of Bathe's Devon Violets, and a new line of jars containing Devon violets, heather, roses, jessamine and a variety of perfumes to retail at a popular price.

Arthur Berton, Ltd., F. 85

256-260 Old Street, London, E.C.1, are showing a range of sponge bags, proofed toilet novelties, toilet squares and powder puffs. The Floata pneumatic air bed is a new line.

Blackmore, Howard & Metherell, Ltd., D. 16a

53 Hatton Garden, London, E.C.1, are showing a comprehensive range of vanity cases. The manufacturers of "Vogue Vanities" have specialised in the production of vanity cases of quality and finish, and the closest attention has been given to the modern note in design, with a feminine appeal, not forgetting the fact that efficiency of action must be the keynote of their success, and they must be useful as well as ornamental. The latest models

in flap-jacks include various decorations, lacquer and enamel ; and some unusual effects have been obtained by the use of clinsonne, diamante and luminous ornamentations in brocade effects, and one and two colours.

T. F. Bristow & Co., Ltd., E. 65

Colindale, London, N.W.9, have on view a full range of articles in the Georgian, Ambre Divin, Blue Lilac, English Wallflower and Devonshire Violets series, which are popular for the export and chemist's trade. The company is also exhibiting their fine quality toilet and bath soaps, which include Solforoid (claimed to be the original sulpho-cream soap) and the Ik-thol-ine medicated series.

E. N. Bromage & Co., E. 79

Selhurst Road, London, S.E.25. On this stand may be seen Bromage's real flower perfumes, comprising sixteen distinct floral odours. Face powders, beauty creams, talcum in glass jars and bath salts are also shown. With regard to Boronia, the company states that "improved methods of recovering the essence in Australia have now enabled us to present the full beauty of the perfume." New lines are Night perfume and "1850" lavender essence.

Cussons, Sons & Co., Ltd., E. 69

Kersal Vale, Manchester, are showing primarily their Olde English Lavender series of toilet products and Olde English Lavender gift sets. Other features include Cussons' soaps of well-known quality, the new season's range of Ravon, and bath crystals in attractive hand-painted pottery containers. As in previous years, there will be found a selection of perfumery at competitive prices. Our illustration gives some idea of the variety of packings typical of this up-to-date manufacturing house.

The Dubarry Perfumery Co., Ltd., E. 46 and E. 51

Goldstone Laboratories, Hove, exhibit their complete range of fine perfumes and toilet luxuries, including new lines and novelties too numerous for individual description. The most important of the novel features of the exhibit is the introduction of an entirely new perfume—Rapture. Messrs. Dubarry have been at work for about a year on the evolution of the perfume itself and its very distinctive style of presentation, and they are making a strong feature of this perfume in their general display.

Fenton Manufacturing Co., F. 39

13 Bartlett's Buildings, Holborn Circus, London, E.C.4. This exhibit includes waterproof toilet holdalls and sponge bags, in beautiful colourings and novel designs; powder puffs of every description embodying advanced patterns and ideas ; face squares ; and lavender novelties. The whole exhibit forms an interesting collection of manufactures, modern in conception, well made, competitive in price and in keeping with the high reputation of this company.

The Florogen Works, E. 49a

132 Western Road, Mitcham, Surrey, show a wide range of perfumes for home and export trade. Bath crystals in various packs, face creams, hair preparations, dry shampoos and setting lotions are among the lines exhibited. A special item of interest is the range of non-alcoholic and super-concentrated perfumes specially prepared for export, the latter range being spirit perfumes with great pungency of odour. Other lines for export include brilliantines and a full range of pomades. The proprietary Indian perfume Rosh-in-Ara is again exhibited in attractive new packs. This range has now been extended to include Rosh-in-Ara vanishing cream, Rosh-in-Ara brilliantine, etc. A new rose perfume is exhibited in attractive bottles identical in design, and ranging from $\frac{1}{4}$-oz. to 4-oz. capacity.

The Impex Co., E. 60

9-15 Leonard Street, London, E.C.2, exhibit an extensive range of general toilet and cosmetic preparations, including tooth-paste, dentifrice, shaving soap, shaving cream, liquid and solid hair preparations, nail polishes, removers and other manicure requisites, face creams, face powders, astringent lotions, lipsticks, rouges, compact powders, etc., eye cosmetics, eye shadow ; general sundries, including lamb's-wool and velour puffs, rouge pads, flap-jack pads, nail files, tweezers, etc.; metal sifter powder box, bakelite cream container, perfumed waters, perfumes, etc. Under new lines come the Autana automatic boudoir cream bowl and handbag cream container in moulded material of translucent hue, designed to keep toilet creams of any type fresh and sweet ; new non-spillable Sifta-Jack, nickel finished and finely enamelled in various artistic shades and designs, incorporating the Badoura sifter. Particular attention is drawn to the complete range of Miss Charm toilet preparations of dependable quality and tasteful presentation.

Iva Fur Puffs, Ltd., E. 47

Iva House, 79 Golden Lane, London, E.C.1, display Iva fur puffs, which are made from real fur in a beautiful selection of pastel shades ; they are washable, fadeless and hygienic, and have the additional quality of applying powder correctly. A large range is available, comprising the Iva fur puff, the Iva jack puff (specially prepared for use in the flap-jack), the Iva handkerchief puff for day and evening use, back puffs, bowl puffs, boxed presentation puffs and sets. The Iva rouge brush is a new line which is daintily packed on display cards showing one dozen rouge brushes in assorted colours. Iva puffs Nos. 1, 2 and 3 are now supplied on display cards which are being shown for the first time. An interesting new

range of display material is also on show as well as the new handkerchief designs for 1934.

Jago & Jerome, Ltd, E. 48

Progress Works, Nelson Street, Manchester, 13, devote their stand to a display of all classes of perfumes, pomades, creams, powders and toilet requisites for home trade and export.

G. B. Kent & Sons, Ltd., G. 75

75 Farringdon Road, London, E.C.1, exhibit a representative assortment of British brushes manufactured by the House of Kent for toilet, household, painting and general use. The special features of the exhibit this year are: (1) The Kent-Cosby patent hygienic refillable hair brush; (2) three new lines of nail-brushes, the Tumble Tommy, Little Beauty and Tom Thumb; (3) Kent's Pedigree series of fixed-price toilet brushes. The Kent-Cosby hair brush, the manufacturing rights of which have been acquired by Messrs. Kent, is designed to fill a long-felt want in toilet hygiene. The bristles are set in a perforated aluminium base which can be detached from the handle-back by means of a simple patent device and thoroughly cleansed right to the back of the roots. The handle-back is never spoilt or discoloured by washing. Bristle refills are obtainable in various qualities of pure sterilised bristle and refills with a rubber cushion base are also supplied. Handle-backs are made in a variety of beautiful materials. The Pedigree tooth and shaving brushes are guaranteed Kent products, including all the more popular types. The Pedigree tooth-brushes are supplied in a range of twelve in coloured and bone handles. The Pedigree shaving brushes are supplied with handles in white and six attractive colours, each brush packed in a transparent container. All these new lines are supplied with attractive modern display stands and show matter, and yield a good ratio of profit to the retailer. The products described are advertised elsewhere in this issue.

Manon Frères, Ltd., E. 80

149 New North Road, London, N.1, exhibit perfumes in picture display boxes, lavender water, eau-de-Cologne and hair preparations, all of very attractive appearance. New lines include perfumes in animal-shaped bottles, also clown bottle, engine, etc.; perfumes in brilliant opaque bottles with embossed flowers and engraved designs on bottle—with coloured metal caps to match—also black and silver engraved bottles; perfumes with multi-coloured silk tasselled caps and patent sprinkler caps.

James Neill & Co. (Sheffield), Ltd., E. 25

Napier Street, Sheffield, 11, have as the centre of attraction the Eclipse red ring razor, with magnetic pick-up. This razor takes any type of double-edge wafer blade irrespective of the size or shape of the holes or slots, and automatically centres the blade in the holder. A further improvement is the micrometer adjustment which provides means to regulate finely the blade edges to obtain —with perfect rigidity—the correct amount of projection to suit either light or stiff beards. Eclipse super razor blades are also featured. Other exhibits include the well-known Eclipse hacksaw blades. Four types are shown—all-hard, flexible, double edge and high-speed steel, one of the flexible blades being coiled into a spiral formation to demonstrate that this type is unbreakable in use. This display is supported by a full range of Eclipse hacksaw frames. A novel feature of this exhibit is the manner in which the points of the product shown are emphasised by the use of mammoth reproductions of current advertisements.

Rio Perfumery Co., E. 58

16 Margaret Street, London, W.1, are exhibiting Rio hair cream. This preparation is stated to be greaseless, but glossy, and it does not soil headwear or pillows. It is excellent for ladies as a setting cream and will keep the waves in position all day.

Papier Poudré, Ltd., E. 59

46 Baker Street, London, W.1, show Papier Poudré and allied toilet specialities, including nail polish in book form, Cottage Garden toilet series and Poppœa toilet

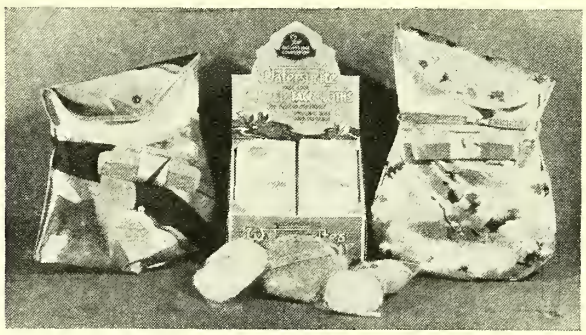
series. The following lines are of special interest:—Poppœa series, skin food; Cottage Garden series, perfume, face powder, pot pourri sachets; Papier Poudré series, nail polish, crème poudré and, of course, the very well-known Papier Poudré.

Ryders, Ltd., E. 8

27 Fore Street, London, E.C.2, are calling particular attention to four brands of safety razor blades:—(1) A blade at a very low price designed to meet all foreign competition; (2) a more reliable type of blade, the Hussar, at a medium price; (3) the Rydene, an inexpensive blade; (4) a special luxury blade under the trade mark Rydette. This is manufactured from a specially thin 0.10 mm. steel instead of the usual 0.15 mm. The company are in a position to manufacture razor blades under customer's own name, or trade mark, in quantities as small as 100 gross lots, and have made special arrangements to deal with this type of business. They are also offering a special razor set containing the following articles in an attractive hinge-lid box:—1 doz. Rydene 3-hole type blades, Rydene bakelite safety razor, styptic pencil in bakelite case, stick of Rydene shaving soap, bakelite shaving soap container.

Solport Brothers, Ltd., E. 75

184-192 Goswell Road, London, E.C.1. This exhibit includes a number of new products several of which are illustrated herewith. Many of last year's popular styles of Portia waterproof sponge bags and travelling companions are being repeated in new colourings and



materials. Three new styles have been added to the already extensive range of Portia sports shades. The Portia indiarubber adjustable and washable wrist strap is a new product which should become popular for surgical purposes as well as in sports circles. Bo-Peep wool powder

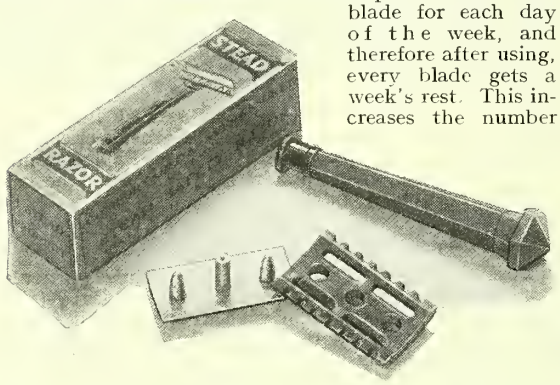
puffs is a new line in four colours and, white ; the puffs are washable and hygienically packed. The already well-established and popular Watersprite knitted face cloths will now be distributed in cartons of one and two dozen in the latest attractive packing. The squares can be separately wrapped, if required, at a small additional cost.

Souplex, Ltd., E. 12

Westgate, Morecambe, Lancs, display patent combless safety razor in seven different qualities, and four qualities of blades. New lines include the Souplex and Double Six minor combless razors containing, respectively, three blades and one blade, and sold to the public at a popular price complete in a cardboard box. The company state that this is a very popular line, particularly for export, and one for which they are able to give a very low wholesale quotation.

J. Stead & Co., Ltd., E. 44

Manor Works, Sheffield, 2, are exhibiting their Weekly Wallet of Razor Blades. This novel packet contains a blade for each day of the week, and therefore after using, every blade gets a week's rest. This increases the number



of perfect shaves per blade. The Stead safety razor is of a new and registered design. In place of the usual metal teeth it has a rounded guard which ensures smoothness in shaving by placing the hair in the correct position for cutting. Provision is made to enable the soap and hair to escape through special outlets under the blade.

Thomas Ward & Sons, Ltd., D. 23 and D. 30

Wardonia Works, Sheffield, 1, and Wardonia Buildings, Warrington. Visitors to the company's stands will see the well-known Wardonia razors and barrel-hole blades. In addition, there is shown one of the finest ranges of oak goods, biscuit barrels, salad bowls, cutlery and canteens. Among the new lines are included many attractive travellers' sets complete with the Wardonia razor, barrel-hole blades, shaving soap, shaving brush, mirror, etc., and beautifully cased in solid leather—compact, neat and serviceable. The popular Wardonia Pilot set is also made in many new shades, including jade green, walnut, maroon, blue, red and ivory. Wardonia blades are also now obtainable in three types, the Wardonia Barrel-Hole for all three-peg razors, the Wardonia Auto and the Wardonia No. 3.

Welten, Ltd., F. 34e

17 Fore Street, London, E.C.2, have on display all types of perfume sprays, brilliantine and lotion sprays, powder sprays, and nasal and throat atomisers.

Zenobia, Ltd., E. 52

Woodgate, Loughborough, feature Zenobia Lily of the Valley and Charmol floral perfumes. It is more than twenty years since Zenobia Lily of the Valley was first offered to the public, and their allegiance to its excellence has made it a certain seller at all times. In its new presentation it makes a display of outstanding attraction. The introduction of Charmol floral perfumes has aroused considerable comment in the trade, and the public, we understand, have responded in a most encouraging manner. Special attention is being drawn to the Zenobia "auto-display" principle in coffrets. This reduces display work to a minimum. Although when closed the coffrets have the compact appearance of ordinary boxes, as soon as the lid is opened the box automatically tilts without any outside aid and remains upright—in fact, it cannot close. The new range of Zenobia toilet lotions and creams comprises almond complexion milk, astringent lotion, skin tonic, hand cream, setting lotion, liquid shampoo, bay rum, hair cream, violet oil and clarified brilliantine. A special display of the new Scotch Heather perfumery is also on show.

Miscellaneous

The Association of British Chemical Manufacturers A. 44

has a stand which takes the form of an office for the distribution of literature and the answering of inquiries. The literature will include the Association's main Directory, covering all the products of its members, in six languages (English, French, German, Italian, Spanish, and Portuguese), and the Directory of British Fine Chemicals, which will indicate the manufacturers of over 3,000 fine chemicals in general use. The Directory of the British Chemical Plant Manufacturers' Association will also be available, together with specimen copies of the Association's regular publications, such as its monthly summary of the chemical trade. Inquirers seeking information before and after the Fair are invited to apply to the main office of the Association, 166 Piccadilly, London, W.1. The material selected for display on the Association's stand this year is a special grade of titanium pigment, the production of which was commenced in this country in May 1933. This pigment contains approximately 82 per cent. of titanium oxide, and 18 per cent. of barium sulphate.

Bakelite, Ltd., D. 31 and D. 50

68 Victoria Street, London, S.W.1, show mouldings produced from bakelite moulding materials. In recent years the development of special materials having specific properties, such as a high resistance to water, acids and weak alkalis, and to shock, has extended the existing wide sphere of usefulness of synthetic resin products. Mouldings made from these materials for special applications will be displayed. A range of new bakelite resins, varnishes, lacquers and cements will be available for inspection.

O. D. Binger (Sales Aids), Ltd., G. 36

"Sales-Aids" House, 24 - 30 Northdown Street, King's Cross, London, N.1, show the latest mechanical and animated show window attractions, novelty signs, and clever display devices, designed to attract attention to the show window. A new line, "The Laughing Robot," is illustrated herewith. Moving mechanical displays can be made to special requirements.

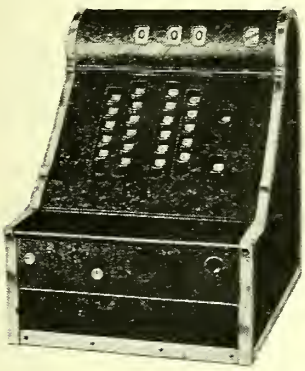
C. Baker, A. 112 to A. 115

244 High Holborn, London, W.C.1. One outstanding feature of this exhibit is the actual manufacture of the minute lenses used in microscope objectives for showing bacteria. This is seldom displayed in public,

and it should create a large amount of interest, in view of the fact that some of the lenses are much smaller than even a pin's head. An epidiascope, stated to be the only one of its kind in the world, fitted with twin cooling fans is also on show. This has been selected on many occasions for use in the tropics, in view of this cooling device. The projection of microscopic images for the teaching of research or recording purposes is also displayed, and it is hoped to project living specimens.

The British Cash Register Co., Ltd., A. 21

Kingsley Works, Grange Road, Willesden Green, London, N.W.10 (Sales Department, 5-9 Quality Court, Chancery Lane, W.C.2), are showing the "British" cash register, a new British invention with exclusive features, selling at a remarkably low price. The machine (shown in our illustration) is different from any existing machine now on the market. The manufacturers claim for it special efficiency in eight respects.



Camera-Projectors, Ltd., A. 112

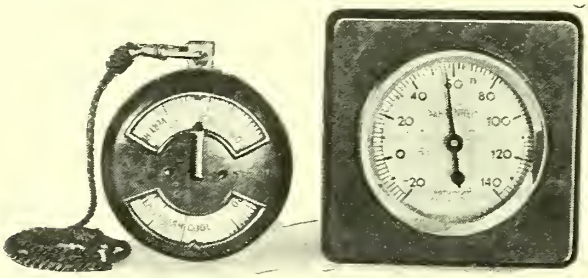
90 Wardour Street, London, W.1, are exhibiting the Midas camera-projector ; the super-attachment ; and the T.R.A. unit. First and foremost in importance comes the Midas. This apparatus measures: Height $5\frac{1}{2}$ in., width 3 in., depth $3\frac{1}{2}$ in. The weight of it is $4\frac{1}{4}$ lb. For both taking and projecting the lens used is a Taylor Hobson anastigmat working at *f.* 2.5. An ingenious lighting system has been designed employing a $4\frac{1}{2}$ volt flash lamp bulb, a reflector and a special type of condenser lens. This gives a picture 24 in. by 18 in. A feature is that the camera is driven by an electric motor, and thus a whole film can be exposed if needed at one "shot," there being no clockwork to be rewound. The power is provided by two small flashlight batteries and is stated to be sufficient for at least fifty 30 ft. rolls of Midas film. For the person who wishes to join up his 30 ft. reels into 300 or 400 feet lengths and give cinematograph shows on a larger scale, there is the "super attachment." The attachment contains a universal motor and a 100 watt lamp. Resistances are independent, so that a change of motor speed does not affect the brilliance of the lamp. The system of rewinding is ingenious and novel. By tilting the camera half-forward a switch is automatically depressed and the film winds back, without scratching and at high speed. The T.R.A. unit (transformer, rectifier and accumulator) is a means whereby the Midas can be made to project 300 or 400 feet of film, with its own motor.

Cellulose Wadding Supplies, Ltd., B. 102

15 Soho Square, London, W.1, display cellulose wadding, for packing purposes ; cellulose wadding as an advertising medium ; Patricia towels ; and cellulose wadding for the perfumery trade. Coloured embossed and printed cellulose wadding, cut into pieces of various shapes and sizes, is particularly useful in the perfumery and wholesale drug trades. Patricia towels have been specially designed for use after washing, shaving, beauty treatments, etc.

Corfield, Ltd., E. 71

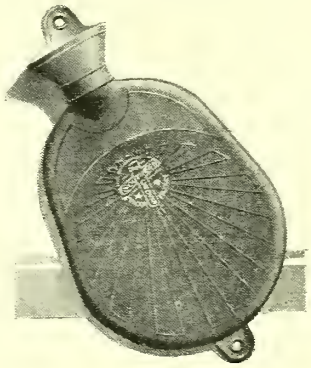
Trafalgar Works, Merton Abbey, London, S.W.19, are exhibiting a comprehensive range of screw caps, containers and small metal pressings which appeal to the manufacturing chemist, and some interesting new designs in containers, finished in attractive shades of enamel. The new Topseal and Standard type metal stoppers for rubber hot-water bottles are also shown. Of particular interest is the new Rototherm hi-metal thermometer, which finds a variety of applications. Instruments from $1\frac{1}{2}$ inches in diameter up to 3 feet in diameter are shown,



together with new rotating dial types and a large variety of household instruments in bakelite and chromium-plated frames. Working models and demonstration instruments are on view, together with immersion type thermometers.

P. B. Cow & Co., Ltd., E. 70

Streatham Common, London, S.W.16, have a stand of unusual design, with a frontage of 22 ft. and two sides running obliquely to a point at the back. The left-hand side will be devoted entirely to an exhibit of the Li-Lo, their new sports air mattress, which is being nationally advertised. It should not be linked with medical uses, as it is designed for sports. It will be supplied in seven colours and will retail at the uniform price of 14s. 11d. throughout the British Empire. The Vacca cushion, also on view, is a new line, well adapted to all requirements where an air pillow or air cushion is required for travel. It measures 18 in. by 13 in., and is made in seven brilliant colours at a remarkably low price. Messrs. P. B. Cow have introduced for display at the British Industries Fair the Southern Cross, an entirely new design of competitive hot water bottle to meet the requirements of a cheap but efficient moulded bottle incorporating the patent Lok-Nek principle. This will be seen for the first time, and will be available to the trade at competitive prices. One of these bottles is shown in our illustration.



Ensign, Ltd., A. 112d

88 High Holborn, London, W.C.1, are showing a full range of their cameras and photographic apparatus, including the new introduction—the Ensign Midget camera, a description and illustration of which was published in the *C. & D.*, February 10, p. 150.

The Fulham Pottery & Cheavin Filter Co., Ltd., C. 15

210 New King's Road, Fulham, London, S.W.6, devote a portion of their stand to the Meludor water softeners, which are exhibited under the title of the associated company, Water Purifiers, with works at Henfield. Saludor filters are also shown.

G. H. Gledhill & Sons, Ltd., A. 56

Trinity Works, Halifax, are showing a comprehensive selection of business machines for registering cash, including self closing, coin exhibiting, and multiple drawer check tills, receipt issuing and total adding registers. If the installation of a cash till is under consideration, these

British-made articles should certainly be inspected. The Monarch cash register was introduced at the 1931 Fair. Since then many improvements and additions have been made, notably, the visible adder and the detail strip models. In this register a novel feature is the flexible key operation by means of which any amount can be registered by two fingers only, thus preventing any awkward stretch. The new detail strip model not only gives a printed statement of every registration, but also prints on that strip the total at any period. The new visible adder model enables the shop manager to read the total at any time, but it can only be "zeroised" by the proprietor or person in charge of the total key.

The International Bottle Co., Ltd., C. 15b

48 Fore Street, London, E.C.2. The company has recently installed the latest automatic machinery for the manufacture of ampoules and all kinds of homœopathic vials, test tubes, pill tubes, etc., and is able to offer all these lines at competitive prices. Ampoules, white and amber, from British neutral or Jena Fiolax glass, in all sizes from ½-cc. to 10-cc. can be made with or without restricted neck and with one point or double-ended. Being machine made, uniformity of measurement is guaranteed. Homœopathic vials are available in two distinct styles, either white or amber; almost any style of tube for vials, etc., either with cork mouth, with screw neck complete with caps or with push-on caps, is offered by the company. Test tubes are stocked in all sizes, conveniently packed in ½-gross or 1-gross cartons. The company is also showing bottles for the perfumery and toilet trades, such as smelling salts, bath salts, talcum powder, perfume, eau-de-Cologne, lavender, face cream and hair cream, in all colours including opal glass. A special staff deals with orders and inquiries for the export trade.

Samuel Jones & Co., Ltd., B. 7

Bridewell Place, London, E.C.4, have a stand which will be occupied with a display of Samuel Jones Butterfly brand stationery products and their well-known range of gummed tapes and sealing machines. Gummed paper toys form another interesting range which this firm will have on display, and these will include gummed paper picture puzzles and the more recently added toy books. Other original stationery lines will contribute towards making this stand well worth a visit.

K.F.M. Engineering Co., Ltd., G. 39

186-188 Shaftesbury Avenue, London, W.C.2, show K.F.M. Internalite electric signs which have been produced to meet the demand for high-class signs for advertising, directional, and other purposes. The signs are constructed of polished plate-glass, on the back of which is etched any wording, picture or design which may be suitably coloured or gilded. The design or inscription is cut into and thus protected by the glass; it permanently retains its original brilliancy and will not discolour. Illumination is obtained from standard striplight metal filament lamps enclosed in a framework along one or more edges of the plate, and it is internally reflected except by the etched portions which are brilliantly illuminated. The exhibit includes also K.F.M. box signs, facias, etc.

Kirby, Beard & Co., Ltd., F. 84

Ravenhurst Works, Bradford Street, Birmingham, and 7 Watling Street, London, E.C.4, have an exhibit comprising pins, hairpins, hair grips, needles, and safety pins. Among the new lines may be seen gift stationery and proofed textile novelties.

Lang Clayden, Ltd., B. 25

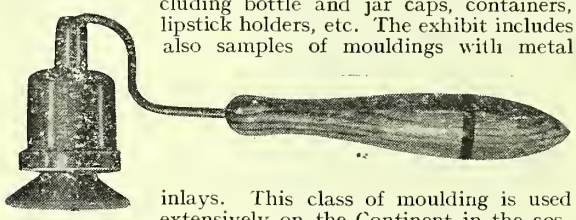
Bush House, Aldwych, London, W.C.2, are showing all models of Langapres machines. These machines are largely used for printing labels; labels can be produced on continuous gummed strip and perforated at the same operation. It is of interest to note that the Langapres machine has now been converted so that it will do gold blocking. A model is shown which will not only do ordinary printing with standard printers' type, but in a few minutes can be converted to do gold blocking on any substance. The method of heating is electric and the machine, which weighs only some 20 lb., is portable and can be plugged into any current.

Lorival Manufacturing Co., Ltd., D. 37

Southall, Middlesex, have an exhibit demonstrating the extraordinary flexibility of composition mouldings, as there does not seem to be any limit in shape, size, intricacy or colour. On the stand are bottle caps that meet every need and taste, while the numerous other moulded articles produced for various requirements show an enlightened appreciation of refined design and colouring.

Moore's Mouldings Co., D. 39

73 Basinghall Street, London, E.C.2, are displaying moulded and turned articles of various descriptions, including bottle and jar caps, containers, lipstick holders, etc. The exhibit includes also samples of mouldings with metal



inlays. This class of moulding is used extensively on the Continent in the cosmetic and allied trades but has not, we understand, been previously produced in large quantities in this country. Anything that can be photographed or drawn can be reproduced in these metal inlays, and the reproductions can be done in a variety of pleasing colours. The company shows also the Massola cream applicator and beauty massager, an illustration of which appears herewith.

Mundet Cork Products, Ltd., F. 75 and D. 29

12-18 Abbey Street, Tower Bridge Road, London, S.E.1, have two stands at the Fair, one in the fancy goods section and another in the plastics section. In the former may be seen corks, wood and metal tops, metal caps, bath mats, table mats, bakelite serviette rings and egg cups, table mat sets in wooden stands, cork calendars, and many other articles. In the plastics section are exhibited bakelite screw caps for perfumery, toilet and medical bottles and all other types of bottles, powder boxes, face cream boxes, menthol cases, jar caps, and many other types of specialities used by the trade. The new lines comprise table mat sets in wooden stands, all hand-decorated, cork calendars, cork decorated bath mats, serviette rings and egg cups in bakelite.

Ormerods, Ltd., G. 43

Hanging Road Mills, Rochdale, are exhibiting labels, showcards, folders, booklets in photolitho, lithographic and letterpress printing, fancy papers, printed cellulose wrapping in several colours, and printed cellulose bags and envelopes.

Ozonair, Ltd., A. 155

Ozonair House, St. Leonard Street, London, S.W.1. Ozonair apparatus for the electrical production of pure ozone is patented in all countries, and the exhibits show its application to the Ozonair system of pure air ventilation and heating, deodorisation, water purification, food preservation, brewing, bleaching, flour mill air conditioning, textile material conditioning, etc. A complete model plant consisting of air filter and washer, cased centrifugal fan, electric motor and ozone plant, is shown in continuous operation. A combined heating and ventilating unit, especially designed for operation in factories, warehouses, etc., is shown working. A complete range of portable Ozonair apparatus is also exhibited.

Redfern's Rubber Works, Ltd., F. 95

Hyde, Cheshire, are showing bathroom and lavatory rubber furnishings, including rubber flooring, mats, soap

dishes, Cascade shampoo spray (with massage attachment) and hot water bottles. The Cascade shampoo spray now has a massage attachment, and this makes a still greater appeal to those who shampoo at home. The spray is attractively packed in a new display box.

Robinson & Sons, Ltd., A. 102 and A. 104

Wheat Bridge Mills, Chesterfield, make a special point of the fact that they are the only cardboard box makers in the United Kingdom who are showing at the Fair. The whole of the outside of the stand is covered with actual cardboard boxes in white and silver. The company makes displays of all classes of cardboard boxes, round, square and folding, and are able to deal efficiently with inquiries from the drug trade. The idea, started last year, of exhibiting a large number of original designs, any of which may be purchased by any customer, is continued. None of those shown has been put on the market, and it is, therefore, an easy matter for a customer to select a design actually on the stand, having the same altered slightly to his own requirements should he not approve of the design as it appears.

St. Andrew Mills, Ltd., B. 105

34 St. Andrew Road, Walthamstow, London, E.17. This factory specialises in toilet rolls, and manufactures its own paper from the raw pulp. The brands sold so far are the well-known Samaritan, Kimono and Bravo rolls. Sterox drinking straws, Tempo paper handkerchiefs, and Marvo paper powder puffs are also among the products of the factory. The mill will also manufacture manilla, sulphite and M.G. toilet rolls, and the manufacturers claim this installation to be the largest of its kind in the country. The factory employs hundreds of English workpeople and its productions are exported all over the world. The sales office is Stuart Woolf & Fleming, Ltd., 47 Gresham Street, London, E.C.2.

The Scholl Manufacturing Co., Ltd., A. 217

188-194 St. John Street, London, E.C.1, are exhibiting their modern tubular steel furniture, chiropody equipment, manicure requisites, and the range of arch supports and specialities. The stand at the Fair, in addition to the other exhibits, was made in Messrs. Scholl's London factory.

Thermos (1925), Ltd., A. 17

1-3 Fountayne Road, Broad Lane, Tottenham, London, N.15, show a wide range of vacuum flasks, jugs and jars of the well-known Thermos brand. Among the new lines may be seen the Junior model which has now been extended to include half-pint, one and a half pint and quart sizes, and the company feel that these new models will fill a want for good quality flasks in these sizes at popular prices. Several improvements in manufacture and new finishes have been embodied in this year's range.

The Thompson & Norris Manufacturing Co., Ltd., G. 64

Great West Road, Brentford, show corrugated fibre-board cases, fancy packages, and corrugated packing of every description, with a special display of air-cushioned packages, designed for the economical and safe transport of commodities in bottles, and other fragile unit containers.

The Tintometer, Ltd., A. 179

The Colour Laboratory, Milford, Salisbury, are calling attention to The Lovibond tintometer, The British Drug Houses' pattern, for measuring and recording the colour of solutions, powders, ointments or any transparent or opaque samples, and for performing colorimetric tests. The artificial light attachment has considerably extended the applications of this useful colorimeter. There is also The Lovibond comparator for determining the PH of solutions. This handy form of pocket comparator can be supplied with an extensive range of the well-known B.D.H. indicators. The permanent glass colour slides with which the apparatus is fitted are a distinct advantage over the use of tubes of solutions.

Viscose Development Co., Ltd., E. 67

Bromley, Kent, divide their exhibit into two portions; in the first they show their well-known self-fixing bottle capsules which take up the contours of any bottle and stopper, and can be made either opaque or transparent, dyed to any colour and printed if desired. They also exhibit Viskrings, which are similar to Viskaps except that they do not cover the top of the bottle, thus leaving any printing or design on the metal cap plainly visible. The other portion of the exhibit comprises mouldings in bakelite and similar resins. This branch of the company's business has increased rapidly, and although they are laid out to supply mouldings of any description they have been concentrating chiefly on the drug and cosmetic trades.

British Industries House

One of the latest developments at British Industries House, Marble Arch, London, W.1 (an institution already referred to in our columns), is the setting up of a medical section. We have received the following letter on the subject:—

> Sir,—We desire to bring to your notice the scheme, of which full particulars are enclosed, for the establishment at British Industries House of a medical section, to which we have agreed to act as an advisory council. It has been the experience of all who have had to deal with medical institutions that there is a great need for a centre at which, with the least possible trouble, the most complete collection of the best representative products of British manufacturers of hospital equipment, instruments and drugs, can be seen by potential buyers. No such centre at present exists.
>
> British Industries House has a strong backing not only financially but from bodies representative of buyers all over the world, and, as we have good reason to know, the establishment of this particular section has the sympathy of influential bodies and persons in the medical world. As an advisory council it will be our duty to assist in the establishment and conduct of this section on lines which will appeal at the same time to manufacturers, buyers and to the medical and pharmaceutical professions. Inquiries should be addressed to Mr. J. A. Greene, Official Organiser, Medical Section, British Industries House, as above.
>
> Yours faithfully,
>
> Alfred Cox,
> Crisp English,
> A. R. Melhuish,
> E. P. Poulton.

The statement accompanying this letter indicates that the third floor at British Industries House, which covers an area of over 8,000 square feet, has been set aside for the use of the section, and stands and showcases are now in course of erection. The ordinary public will not be admitted—only manufacturers and potential buyers. A considerable measure of support has already been promised by leading British manufacturers. Space in the section is available at a moderate rate, inclusive of certain services. Plans of the section, and costs, may be obtained on application to British Industries House, or a representative will be sent on request. Participation in the section carries with it membership of the British Industries House Club.

The South American Handbook, 1934.—We have received from Trade & Travel Publications, Ltd., 14 Leadenhall Street, London, E.C.3, the 1934 (eleventh) edition of "The South American Handbook" (2s. 6d., by post 3s.). This publication has been greatly increased in size. The handbook contains up-to-date figures relating to the production and trade of each South American republic. The book is the only annual handbook to South America printed in any language.

Co-Operative Trading and Income Tax

By T. Hynes, LL.B.

THE movement to make the question of co-operative trading a party issue at elections is unfortunate, as it can hardly fail to interfere with the calm consideration of a subject which owing to the legal web in which it is involved is already sufficiently difficult. The conflict of views between the champions of co-operative and of individual trading is, to some extent at least, inevitable, but there is no reason why the energy and temper of the combatants should be wasted, as they sometimes are, because of misappreciation of the contentions of their opponents. An impartial review of the position of the co-operative bodies may do something to clear up these points of controversy.

The idea of co-operative trading first came to the public notice as a possible agency for the promotion of social betterment. It was thought that its adoption might induce a spirit of thrift among the more improvident classes of the community. This feeling found expression in Parliament, and the Industrial and Provident Societies Act, 1893, under which most co-operative societies are now registered, provided that a society registered under that Act should "not be chargeable to income tax under Schedules C and D unless it sells to persons other than members thereof and the number of shares of the society is limited by its rules or practice." At the same time it must be said that so far as regards profits chargeable to income tax under Schedule D (that is, trading profits), it had already been laid down by the House of Lords four years earlier that a surplus resulting from mutual trading (that is, trading between members of an association) was not a taxable profit within the meaning of the Income Tax Acts. On the codification of the law of income tax by the Income Tax Act, 1918, this privilege was continued to the societies, and it was expressly provided that a registered society "shall be entitled to exemption from tax under Schedules C and D unless it sells to persons not members thereof and the number of its shares is limited by its rules or practice." But at the same time it was laid down that no member of or person employed by the society should be exempt from charge to the tax to which he would otherwise be liable. The effect of this latter proviso is that so far as the income of a society is distributed as dividends or interest on shares, interest on loans, debentures or the like, it is fully taxed by reference to the personal liabilities of the members receiving the dividend or interest.

The Nature of the Exemption

As the opponents of co-operative trading contend that the great extension that has taken place in the business of the societies since that date is to be ascribed to the privileged position in which the Act placed societies in competition with individual traders, the question to which attention has to be directed is: What is the extent to which a society as such can be said to derive advantage from the exemption? The exemption under Schedule C means exemption in respect of all profits arising from interest, annuities, dividends and shares of annuities payable in the United Kingdom out of any public revenue in the United Kingdom or elsewhere. Upon all these a private trader has to pay under the Act irrespective of the ultimate destination of the profits charged. The tax charged under Schedule D is upon the annual gains or profits arising or accruing from (i) any kind of property whatever whether situate in the United Kingdom or elsewhere, or (ii) any trade, profession, employment or vocation whether carried on in the United Kingdom or elsewhere, or (iii) any property whatever in the United Kingdom or from any trade, profession, employment, or vocation exercised within the United Kingdom, or (iv) interest of money, annuities, and other annual profits or gains not charged under one of the other Schedules of the Act and not specially exempted from income tax. To the income tax under all these heads the individual trader or the ordinary trading company is liable, while the registered society which may be engaged in competitive trading is allowed to be exempt. The advantage thus accruing to registered societies has recently been computed by the Board of Inland Revenue to be in round numbers close upon £1,250,000. This figure has been arrived at without including any tax on what is popularly known as the "divi.," that is, the payment made to each member at stated intervals proportionate to the amount of his purchases in the period for which the distribution is made. This, it is conceded, might properly be looked upon as a trade expense by way of discount and as such not liable to income tax under the law governing the trading profits of ordinary traders.

An Amending Act

Whatever may be the precise figure which the societies' exemption represents to them, it is beyond doubt that many of their trading rivals have seen in the privilege the cause of the striking prosperity of the co-operative movement in recent years. This feeling has resulted in some agitation and many expressions of dissatisfaction both within and without Parliament, and after inquiries into the subject by Departmental Committees in 1905 and again in 1932, and by the Royal Commission on Income Tax which reported in 1920, an attempt at a systematic amendment in the law was made in the Finance Act, 1933. This amending Act begins comprehensively with the repeal of the section of the Income Tax Act, 1918, which gave exemption to registered societies from the income tax charged under Schedules C and D, and at the same time it breaks in on the rule of income-tax law which has so long been in force that a surplus arising from transactions between the members as such of an association cannot be assessed to income tax as trading profits of the Association. Under the law as now settled by the Finance Act, 1933, any profits or surplus arising from transactions of a registered society with its members are placed upon the same footing for purposes of income tax assessment as if the transactions were transactions with non-members. This involves an amendment of the law of income tax as laid down by the House of Lords as far back as 1889.

By these provisions, which follow closely the recommendations of the Raeburn Committee which reported in February 1933, the substantive income-tax law applicable to registered co-operative trading societies has been assimilated to the law as applied to ordinary trading companies. On the administrative side of the law, however, there are points of difference which call for notice. To arrive at the net profits of a private trading concern upon which the income tax is to be levied, certain deductions are to be made from the gross surplus, but these deductions are nowhere expressly specified. The law merely says that no sum is to be allowed in respect of any disbursement or expenses which is not money wholly and exclusively laid out or expended for the purposes of the trade the profits of which are being assessed, while in the case of a registered co-operative society the Act definitely sets out certain expenses which are placed outside the scope of the tax and must be allowed exemption. Thus any sums are to be deducted as expenses which represent a discount, rebate, dividend or bonus granted by the society to members or other persons in respect of amounts paid or payable by or to them on account of their transactions with the society, and provided that the transactions had been taken into account in computing the taxable income of the society, and the sum allowed is calculated by reference to the amounts so paid or payable or to the magnitude of the transactions in question.

Marriages

McGarry—Murray.—At University Church, Dublin, on February 8, J. McGarry to Celia Murray, L.P.S.I., Claremorris.

Murphy—McGing.—At the Catholic Church, Rathmines, Dublin, on February 8, Denis J. Murphy, M.P.S.I., 45 Lower Dorset Street, Dublin, to Elizabeth McGing.

Deaths

Bell.—On February 9, after a long and painful illness, Mr. Alexander Lloyd Bell, director of the Ilex Supply Co., Ltd., manufacturing perfumers, 252B and 252C Gray's Inn Road, London, W.C.1. Mr. Bell made friends wherever he went, and his loss is much regretted by a wide circle.

Charnock.—At the Royal Infirmary, Manchester, on January 30, Mr. Henry Thomas Charnock, chemist and druggist, aged thirty-seven.

Evans.—On February 7, suddenly, Mr. Arthur Edward Evans, chemist and druggist, Fore Street, Moretonhampstead. Mr. Evans, who qualified in 1897, was in business at Moretonhampstead for a considerable period, and had been a member of the Parish Council.

Fuszard.—In a Jersey nursing home, recently, Mr. Cyril Bertram Fuszard, chemist and druggist, manager of a branch of Boots, Ltd., aged thirty-seven.

Gough.—At Lower Broughton, Manchester, on January 26, Mr. John Gough, chemist and druggist. Mr. Gough qualified in 1903.

Grinstead.—At Hove, on January 24, Mr. John Grinstead, chemist and druggist, aged eighty-three.

Hutton.—At Leicester, on January 5, Mr. Robert Henry Hutton, chemist and druggist, aged eighty-three.

Owen.—At Newport, Mon., on January 31, Mr. David Owen Owen, chemist and druggist, aged seventy-four.

Skinner.—At Dundee Royal Infirmary, on February 2, Mr. William Skinner, retired chemist and druggist, Broughty Ferry. Mr. Skinner qualified in 1886.

Somerton.—At 357 Battersea Park Road, London, S.W.11, on February 9, after a brief illness, Mr. William Knight Somerton, chemist and druggist, aged sixty-three. Mr. Somerton was a well-known pharmacist in South London and a member of the South-Western Chemists' Association. He was a Lincolnshire man, educated at Louth Grammar School and apprenticed to the late Alderman Simpson of that town. After a period as assistant to the late Mr. D. P. Roberts, Croydon, he started in business nearly thirty years ago in Battersea, where he endeared himself to the people around. He was in the Lodge of Good Fellowship, No. 3685, and was I.G. at the time of his death. Mr. Somerton is survived by his widow and son. The funeral took place on February 10 at Battersea New Cemetery, Morden, and was preceded by a service at All Saints' Church, Battersea Park. Among the large congregation were Mr. John Keall (president of the Pharmaceutical Society), Mr. T. Marns and Mr. F. G. Wells (members of the Council), and Mr. D. A. Rees (South-Western Chemists' Association). Members of his lodge attended as well as Wor. Bro. W. H. Goy and Wor. Bro. A. J. Fairlee, members of his chapter. Other present included Mrs. D. P. Roberts, Croydon, and Mr. H. Lucas, Clapham, S.W.

Stanton.—At Brecon, on February 13, Alice Mary, the loved wife of Mr. Frank L. Stanton, M.P.S.

Personalities

Mr. F. J. North, chemist and druggist, Retford, as president of the local chamber of trade, occupied the chair at the recent annual dinner.

Mr. E. A. J. Owen, manufacturers' agent, Caterham, Surrey, was among the exhibitors at the recent Cruft's Dog Show held in London, and his French bulldog puppy Le Comte de Samille was awarded a second and a third prize.

Mr. J. F. H. Banner, chemist and druggist, Ferryhill, co. Durham, was a successful exhibitor at the recent Cruft's Dog Show in London, his schipperkes being awarded two firsts and three thirds. Mr. Banner has been appointed to judge in the Kennel Champions Show at the Crystal Palace in April.

The following pharmacists were present at the funeral of the late Mr. H. E. Goddard, Gorleston, whose death was recorded in our issue of February 10 (p. 148):—Messrs. T. L. Drabble, Ph.C., R. C. Hannent, P. R. Hill, Ph.C., E. King, W. G. Poll, A. E. Richmond, F. E. Whitfield, G. T. Woodcock and T. J. Woodcock. A floral tribute was sent by the Yarmouth Pharmaceutical Association.

Mr. J. T. Day, chemist and druggist, the newly elected chairman of the Cardiff Branch of the Pharmaceutical Society and Cardiff Pharmacists' Association, is the proprietor of the up-to-date pharmacy at 71 Albany Road. After serving his apprenticeship with Councillor Henry M. Lloyd, J.P., Victoria Street, Merthyr, he became assistant with Mr. Frank Edwards, Cowbridge Road, Cardiff, and later was in the employ of the late Mr. E. Edwards, Mackintosh Place. He qualified in 1915. Later he joined the staff of Boots, Ltd. In 1928 Mr. Day opened his present business, which has proved a successful venture. He has filled several offices in local pharmaceutical organisations, amongst them that of secretary of the local branch of the National Pharmaceutical Union. In his spare moments Mr. Day enjoys a round of golf, and he is well known over a wide area as a breeder and exhibitor of cocker spaniels.

Mr. J. T. Day

Mr. H. E. Walden, chemist and druggist, who has recently retired from Walden & Drewett, chemists, Slough, had been in business in the town for forty-three years. In 1891 he became partner with Mr. Richard Griffith, and after the latter's death in 1895 Mr. Walden carried on the business alone until about seven years ago, when he took into partnership Mr. P. C. Drewett, chemist and druggist.

Mr. James Clark, Ph.C., who has retired owing to indifferent health from the position of head of the home department at the London offices of Burroughs Wellcome & Co., after 32 years' service, was apprenticed with I. & J. Urquhart, chemists, Aberdeen. He passed the Minor examination in 1886, after which he took up a position in the pharmacy of the late Mr. Whitfield, Scarborough. Mr. Clark obtained the Major qualification in 1889 and, returning to Aberdeen, became manager of Messrs. Urquhart's business. In 1902 he joined the staff of Burroughs Wellcome & Co. He is succeeded by Mr. Edwin Thompson, who for many years has been closely associated with Mr. Clark in the department.

Trade Notes

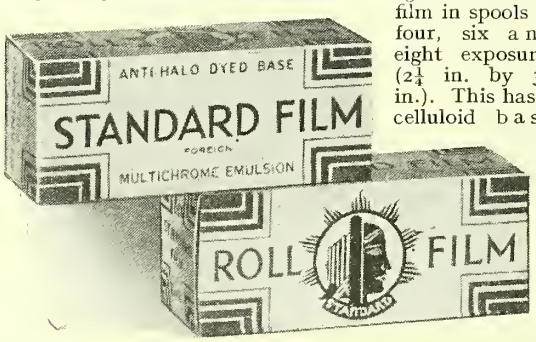
British Industries Fair.—This exhibition is being held at Olympia and the White City, London, from February 19 to March 2 (inclusive), and in connection with the event we have included a special coloured supplement in the advertising pages of this issue. The wholesale houses making announcements in this section are:—Addis Brushware; The Anzora Perfumery Co., Ltd.; Atomisers, Ltd.; Corfield, Ltd.; Drayton Paper Works, Ltd.; J. G. Franklin & Sons, Ltd.; Hopkin & Williams, Ltd.; International Bottle Co., Ltd.; Iva Fur Puffs, Ltd.; Samuel Jones & Co., Ltd.; Kemball, Bishop & Co., Ltd.; G. B. Kent & Sons, Ltd.; George King & Co., Ltd.; Lax & Shaw, Ltd.; Mundet Cork Products, Ltd.; Papier Poudre, Ltd.; Pearson & Co. (Chesterfield), Ltd.; Solport Bros., Ltd.; Souplex, Ltd.; Surgical & Chemical Co., Ltd.; T. Tyrer & Co., Ltd.; Viscose Development Co., Ltd.; The Wafer Razor Co., Ltd.; T. Ward & Sons, Ltd.; Whiffen & Sons, Ltd.

Food measure.—Allen & Hanburys, Ltd., Bethnal Green, London, E.2, are supplying a new pattern Allenburys enamelled food measure to hold twenty fluid ounces instead of sixteen as at present. It is of British manufacture and is graduated in ounces, half ounces, tablespoons, and quarter, half, three-quarter and one pint.

Macleans, Ltd., Great West Road, Brentford, have issued a new showcard for their Oslo pine tar shampoo. Reference to the beneficial effects of a pine tar shampoo is constantly being made in publications for women so that this striking display-aid will enable chemists to link up with such publicity.

Setting lotion.—The Anzora Perfumery Co., Ltd., 28 Willesden Lane, London, N.W.6, have introduced a new product in the form of a wave setting lotion for the hair. It is of the mucilaginous type, nicely coloured (blue) and perfumed (lilac). The containers are of a distinctive shape and two sizes are available. The cut-out showcard, which measures 9 in. by 6½ in., is decidedly attractive.

An interesting roll film.—Photo Trading Co., Ltd., Change Alley, Sheffield, are now marketing Standard roll film in spools of four, six and eight exposures (2¼ in. by 3¼ in.). This has a celluloid base



and the smallest spool enables chemists to compete with the popular stores. It is stated that the film is double coated, has a multichrome emulsion, H. & D. speed 1,300, and red dye backing. The eight-exposure spool is available in square and cylindrical cartons.

Susie's glove cleaning set.—Clay & Abraham, Ltd., manufacturing chemists, 87 Bold Street, Liverpool 1, have placed on the market a glove cleaning outfit which should appeal to the majority of women. It is arranged

in a small box, as will be seen in the illustration, and is therefore convenient for travelling and use when away from home. Displayed on the counter Susie's glove cleaning set should attract many customers.

Bisurated magnesia.—International Chemical Co., Ltd., Braydon Road, London, N.16, ask us to remind chemists that their bonus offer in connection with Bisurated Magnesia expires on February 17.

Vitamin concentrates.—Trufood, Ltd., Union House, 26 St. Martin's-le-Grand, London, E.C.1, are the distributors of Advita (vitamins A and D) and Essogen (vitamin A), concentrates issued by the biological laboratories of Lever Brothers, Ltd.

Automatic capping.—Sure Seal & Sutax, Ltd., Gardiner House, 10 Charterhouse Street, London, E.C.1, supply an automatic capping machine by means of which screw caps can be applied to bottles or containers at speeds up to 60-80 per minute, with an accuracy that ensures freedom from subsequent leakage. A descriptive leaflet (C.D. 21) will be sent on request to any of our subscribers.

Antivirin nasal jelly.—Glaxo Laboratories, 56 Osnaburgh Street, London, N.W.1, have introduced a new preparation, under the name of Antivirin nasal jelly, for the treatment of the common cold. The product is packed in tubes suitable for squeezing the contents into the nostril, and, this operation finished, any excess jelly remaining on the nozzle helps to sterilise it so that there can be no risk when it is used again.

San toothbrushes.—S. Aki Shoten, 30 City Road, London, E.C.1, have drawn our attention to a toothbrush they are selling under the name of San. As will

be seen from the illustration, the novelty is in the handle, the end of which is in the shape of a fork, the prongs being notched so that dental floss silk can be fixed across. The brushes are made in this country.

Yodatogen zambeletti is supplied in Great Britain and the Irish Free State by Wilcox, Jozeau & Co. (Foreign Chemists), Ltd., 15 Great St. Andrew Street, London, W.C.2, and 19 Temple Bar, Dublin.

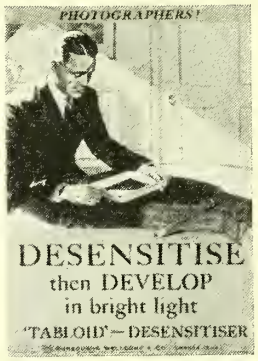
ELASTOCREPE.—T. J. Smith & Nephew, Ltd., Neptune Street, Hull, reproduce in their advertisement in this issue the attractive showcard now available to draw attention to their Elastocrêpe bandages.

A NEW PERFUME by Houbigant is always a matter of considerable interest, and in Presence (a sample of which has been sent to us by Parfumeries de Paris, Ltd., Larden Road, Acton, London, W.3) this well-known house has again introduced a product of distinction. The pack, as our illustration shows, is attractive, the elegant bottle fitting neatly into the silk-covered case; the perfume is characterised by freshness and delicacy, and appeals to those women who are not too keen on scents with a pronounced floral note. A plush-covered support is supplied for displaying Presence.

STERILASTIC SURGICAL DRESSING.—Under the name of Sterilastic there has been placed on the market bandages of an unusually interesting nature. In appearance they resemble thin crêpe rubber, and among the many advantages of this material are that it sticks only to itself and can be instantly removed, consequently its use, whether applied over an ordinary dressing or direct on the flesh, involves neither tying nor pinning, nor does it stick to hair or skin. Its elastic nature allows compression without constriction. The distributors of Sterilastic (it is made 2 in. and 3 in. wide in various lengths) are The Regent Chemists, Ltd., 34 Osnaburgh Street, London, N.W.1.

CHLORQUINOL.—Johnson & Sons, Manufacturing Chemists, Ltd., Hendon Way, Hendon, London, N.W.4, inform us that the continued increase in the demand for Chlorquinol has enabled them to manufacture this chlorobromide developer on more commercial lines, and so reduce the price of it. The makers intend shortly to place Chlorquinol on the market in small packets.

DEVELOPING IN COMFORT.—Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C.1, are issuing an attractive new showcard to call attention to the fact that by the use of Tabloid Desensitiser it is possible to develop plates and films in comfort. No dark room is necessary, as development may be carried out by the shaded light of a candle, gas or electric lamp. A showcard will be sent to any chemist on request.



A WORK OF REFERENCE.—We have received from Britton, Malcolm & Waymark, Ltd., 38 Southwark Bridge Road, London, S.E.1, a copy of their new catalogue of druggists' sundries and surgical instruments. This edition contains sixty pages more than its predecessor and has undergone considerable revision. The list is divided into two sections: (1) containing items likely to be of immediate interest to chemists, including a wide range of surgical sundries; (2) relating to instruments in everyday demand by general practitioners. The latter part should be of great assistance to chemists who cultivate business with medical men and hospitals. In any case, as a work of reference a catalogue of this nature is invaluable, it is extremely well illustrated, and some idea of its comprehensive nature can be gathered from the fact that the index occupies fourteen pages.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1934, p. 304.

(*From "The Trade Marks Journal," February 7, 1934.*)

"LINEAL"; for medicated preparations for poultices (3). By H. J. Wade & Co., Ltd. Pilgrim House, Limbrick, Blackburn. 544,296.

"KORMEOL TRADE MARK" in design form; for a preparation for rheumatism (3). By Kormeol Products, Ltd., 1 Arundel Street, London, W.C.2. 545,180.

"ACTIBOGLAND"; for medicated glandular preparations (3). By Hormo-Pharma, Ltd., 8 Duncannon Street, London, W.C.2. 545,114.

"NOVOSAN"; for medicated food (3). By T. F. Roche, 25 South Side, Clapham Common, London, S.W.4. 545,872.

"THYRANORMON"; for all goods (3). By Sächsisches Serumwerk A.G., 40 Zirkusstrasse, Dresden, A.1, Germany. 546,527.

"STEMCOLENE"; for medicinal chemicals (3). By Stemco, Ltd., 128/132 Albert Street, Camden Town, London, N.W.1. 547,350. (Associated.)

"KARESMA"; for all goods (48). By Bourjois, Ltd., 4 Water Lane, London, E.C.4. 544,873.

"KLING," with design of lion and artificial denture ("Kling" disclaimed); for a powder for holding dental plates in position (48). By Potter & Clarke, Ltd., 60-64 Artillery Lane, London, E.1. 545,839. (Associated.)

APPLICATION AMENDMENT

The specification for "ANALKA" in Class 3, No. 544,457, by Deutsche Hydrierwerke, A.G., has been amended to "Medicated soaps and medicated preparations for external human use."

Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc. occur.

Tuesday, February 20

West Middlesex Chemists' Association and Branch of the Pharmaceutical Society, Eden's Restaurant, High Street, Ealing, at 8.30 p.m. Mr. Herbert Flower (Ilford, Ltd.) on "The Present Position of Infra-Red Photography."

Wednesday, February 21

South-West London Chemists' Association, Trocadero Restaurant, Piccadilly Circus, London, W.1. Annual dinner and dance. Reception 6.30 p.m. Tickets 12s. 6d. each.

Guild of Public Pharmacists, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Dr. L. J. M. Laurent on "Modern Methods in the Prevention of Diphtheria."

Thursday, February 22

Western (London) Pharmacists' Association, Stewart's Restaurant, 50 Old Bond Street, London, W.1, at 8 p.m. E. S. Evans, M.B., F.R.C.S., on "Bones and Pharmacology."

South of England College of Pharmacy, Avondale Halls, Clapham. Annual social and dance, tickets 2s. each (including refreshments) from 106 Clapham Road, London, S.W.9.

Pharmaceutical Society of Great Britain, Halifax and District Branch, Old Cock Hotel, at 6.15 p.m. Annual dinner.

Chemical Society, Royal Institution, at 8 p.m. Professor Hans Fischer on "Chlorophyll" (Pedlar lecture).

Friday, February 23

Edinburgh Chemists', Assistants' and Apprentices' Association, 36 York Place, Edinburgh, at 8 p.m. Mr. J. Rutherford Hill, Ph.C., on "A New Epoch in British Pharmacy"; Mr. T. Arthur on "The Periodic Classification of Elements."

Telegrams: "Atoleine Sedist, London."

Telephone: Bermondsey 1141

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Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

D/12. Atlantic suspensory bandages
M/10. Dr. de Lain's French capsules
W/12. Drawtemp testing bath for thermometers
F/12. Lactolan ampoules
S/13. Lucy Attwell motto soap
B/13. Oxophone
B/10. Pulmin cough mixture
B/12. Pulv. glycerol
C/12. Neurogen

THE

CHEMIST AND DRUGGIST

VOL. CXX. FEBRUARY 17, 1934 NO. 2819

"Pharmaceutical Formulas"

We have much pleasure in announcing the publication of Volume Two of "Pharmaceutical Formulas," an event that we believe will be welcomed by chemists and pharmacists all over the world. The series of treatises published by The Chemist & Druggist was inaugurated in 1888 by the issue of "The Art of Dispensing," and the first edition of "Pharmaceutical Formulas" appeared ten years later. As was explained in the preface to that edition, our own columns and the pages of the *C. & D. Diaries* were the main sources from which its contents were derived: there was nothing quite like it among books of reference then—and we venture to think there is nothing quite like it now. Following a well-established custom, we have reissued the "Editorial Note" from that volume among the prefatory matter of the present volume, it being still relevant: for the same reason we have also reissued the Preface to Volume One of the tenth edition. As that Preface explains, the first volume is essentially pharmaceutical, comprising formulas, official and non-official, methods of manufacture and collateral information: the second is devoted to recipes and processes for the manufacture of many articles, other than medicines, in frequent or occasional demand. In the present volume we have incorporated much new material derived from various sources and resulting from original investigation and experiment carried out with the object of devising new formulas or improving existing ones. Some of these formulas have not been published previously. It was inevitable that, with the expansion of medicine and pharmacy, so many new formulas and processes should appear, in this country and elsewhere, since the publication of the ninth edition of the book that a division into two volumes had to be adopted. Research never ceases, and formulas spring up accordingly. We believe that the modernity of this edition, and especially of Volume Two, will be found to justify the course we have followed in dividing the abundant material available into two distinct but related halves.

The Increase in Subject-Matter

A few particulars of the largely increased size of the book will make our aims clearer. Omitting the prefatory matter and the indexes, the ninth edition comprised 1,010 pages: the tenth extends to 1,146+941, a total of 2,087 pages. Incidentally, the indexes to the present edition are much better provided with secondary references than their predecessor, thus increasing the probability of finding a given formula at a first attempt. Turning to sectional details, we may instance the following comparisons in numbers of pages:—

	9th edition	10th ed., Vol. II
Face powders	6	30
Synthetic perfumes ...	12	20
Dental preparations ...	43	55

It may be noted that the dental preparations in the ninth edition contained various toothache remedies which, under the new arrangement of contents, appear in Volume One of the tenth edition. The pages of the new volume are uniform in size with those of Volume One ($8\frac{1}{4}$ inches by $5\frac{1}{2}$ inches), but a slightly larger size of type has been adopted for the formulas and directions; the price, 15s., is also the same. As will be seen from an advertisement in this issue, the first copies of the book have been received from the binders and are on sale at 28 Essex Street, W.C.2; copies will also be available at the *C. & D.* stand (A. 13) at the British Industries Fair.

An Inclusive Formulary

The division of this edition into two volumes involves the purchase of both by chemists, manufacturers and others who wish to obtain the full benefit of a formulary from which nothing of material importance to present-day pharmacy has been excluded. Many of our subscribers already possess Volume One: we may briefly indicate the contents of Volume Two. The toilet preparations, placed first in order, include bath salts, depilatories, face powders, creams, toilet lotions, special developments of modern beauty culture such as artificial sunburn, smelling salts, applications for insect bites, foot powders and toilet vinegars (pp. 1–178). These are followed by the numerous types of hair preparations now in vogue (pp. 179–267). Next come dental preparations (pp. 267–321) and perfumes (pp. 322–420). Then follow culinary and household requisites (pp. 420–491), among which are sauces, pickles, curry powders, chutneys, spices, baking powders, colourings, essences, flavourings; legal information regarding standards for and preservatives in food is added. This section is succeeded by cleaning materials (pp. 491–520), polishes (pp. 521–553), and soaps (pp. 553–566). The other principal subjects are pastilles and lozenges (pp. 566–587), varnishes, lacquers and adhesives (pp. 587–624), writing materials (pp. 624–662), horticultural and agricultural preparations (pp. 663–754), veterinary formulas (pp. 754–781), photographic formulas (pp. 781–824), beverages (pp. 825–885), and a concluding group entitled "Miscellaneous" (pp. 886–934), containing formulas not easily classifiable. The Appendix (pp. 935–941) includes tables of weights and measures, thermometric equivalents, and regulations governing the use of methylated spirits and isopropyl alcohol. In preparing the new volume, formulas from practically every civilised country have been collated and the basis of selection has been broadened without departing from the original conception of the first edition. We trust that the outcome will long justify our sub-title, "The Chemist's Recipe Book," and that it will satisfy every standard to which such a book should conform.

Pharmaceutical Society of Great Britain

London Evening Meeting

THE fourth evening meeting of the present London winter session was held at 17 Bloomsbury Square, W.C.1, on February 13, the president (Mr. John Keall) in the chair. With the president at the table were the treasurer (Mr. A. H. Jenkin), Professor E. Mellanby, the Dean of the Society's College (Professor J. H. Burn), and the secretary (Mr. H. N. Linstead). The audience included Professor H. E. Armstrong, Dr. K. Coward, Dr. F. H. Carr, Dr. W. H. Linnell, Mr. R. R. Bennett, Mr. F. Browne, Mr. Norman Evers, Mr. A. R. Melhuish, Mr. C. A. Noble, Mr. and Mrs. H. Skinner, Mr. T. E. Wallis and Mr. F. G. Wells.

THE PRESIDENT, in opening the proceedings, welcomed those present. He introduced the lecturer, Professor E. Mellanby, F.R.S., secretary of the Medical Research Council, who delivered an address on

The Influence of Some Nutritional Factors in Disease

PROFESSOR MELLANBY began by pointing out that one of the most active bodies at the present time was the school medical service, which indicated a tremendous amount of ill health in this country among young children, including enlarged tonsils, dental caries, running ears, deafness and defects of vision. It was hardly an exaggeration to say that large numbers of those children were "damaged goods" before they got started in the world. Modern work in nutrition indicated that most of the defects in question were due to malnutrition in the early years of life, although none could say exactly what caused enlarged tonsils or defects of vision.

Continuing, Professor Mellanby said that the problem of nutrition as we knew it at present concerned us all and not merely, as was once thought, polar explorers and "those who lived on polished rice." We could be healthy and well developed and have all the advantages of the non-civilised man at a price—and it was that price that he wished to talk about. It could be said at once that the diet of the average Englishman was deficient in such things as calcium, phosphorus, iron, iodine (in many people) and vitamins A and D, and contained far too much cereal—bread, oatmeal, rice and the like. We were a cereal-eating country, and would have to remain so—that could not be got rid of. But we must try to antagonise the baneful effect of those cereals.

He proceeded to illustrate with lantern slides some of the experimental results obtained with animals, showing how foodstuffs acted on the susceptible tissues and on susceptibilities to illness. The first suggestion of the cause of rickets, that the child had taken too little calcium, was the obvious one and was not really true. If young dogs were fed on a diet of cereal, fat, lean meat, yeast, orange juice and sodium chloride they could be made perfect. If vegetable fat such as olive oil were substituted for the butter or suet the result was a rickety dog. There must therefore be some other factor, and that factor they now knew to be vitamin D. It was only one factor, however, in the problem of rickets. Professor Mellanby went on to show that differing quantities of bread in the diet produced different types of rickets: the more bread, the worse the deformity. The cereals also varied among themselves. If the cereal in the diet was altered, keeping the amount constant, different results were obtained with white flour, oatmeal, rice, or rice *plus* the germ or embryo of the bread. Oatmeal and the embryo produced the worst rickets, which was an amazing thing, for they contained far more phosphorus than white flour. He emphasised that in this dietetic work it was impossible to argue from previous results, for one never knew until one did the experiment what the result would be.

The harmful effect of cereals might be antagonised either by giving vitamin D with them—e.g., by mixing them with cod-liver oil— or to some extent by adding calcium, or by giving milk, though "a bucketful" of milk would be necessary. It used to be asked why Scotsmen had such fine teeth. It was true that they ate oatmeal, but they drank also about a gallon of milk a day. Oatmeal was in many respects an excellent food, but it interfered with the bone and tooth calcification. Another way in which it might be modified was by irradiation, which produced a new substance. Then it would not produce rickets; it would cure them. The whole question of rickets and the formation of bones was the outcome of a battle, always going on in young children, between the things that aided bones and the things that prevented the formation of good bones. On the one hand we had milk, vitamin D, obtained either through food or sunshine, and on the other these cereal foods which produced bad bones.

DENTAL DEFECTS

The question of teeth was much more important still, for most of us in this country had bad teeth. The factors were practically the same: if we reduced the vitamin D in the diet we got bad teeth, and the same applied to the matter of irregularity of the teeth, which indicated that the growth of the jaw had not kept pace with the growth or development of the teeth. "You can get what kind of teeth you like," said Professor Mellanby, "according to how you feed the animal. It is quite clear that if teeth are badly formed they are susceptible to caries." He pointed out that if a tooth was irritated on the surface, either by attrition or by caries, it began to react. If any stimulus was applied it produced secondary dentine. Mrs. Mellanby had shown that this process could be controlled in dogs, by controlling the diet, according as the food was lacking or not lacking in calcium and vitamin D. The implication was that not only did a tooth resist and attack a harmful stimulus according to how it was being fed at the time, but also that by feeding an animal or a child properly we could make it resist the caries attack. The Professor described experiments with a large number of children under six years of age taken at different periods and put on different diets. They were in institutions and therefore fed on a good diet. But among those who received the least fat-soluble vitamins it had been found in from eight to ten months that an average of five teeth per child showed increase of caries; where the amount of fat-soluble vitamins was greater the increase of caries was correspondingly less, and the degree of arrest of caries greater. The reduction of cereals meant greater hardening, and correct feeding resulted in the production of secondary dentine and finally a perfect cure.

Turning to another common defect in this country, enlargement of the thyroid gland, Professor Mellanby said that many people did not get sufficient iodine. There was very little iodine in the body in any case, and the only food that contained anything important in that way was fish. This was the secret of goitre. If a pregnant bitch were fed on bread, milk and butter, meat and cabbage, it would be found that the thyroid glands of the litter would grow big. On the other hand, if the bitch were given cod-liver oil, cod or other fish, the gland would be as it ought to be. (He illustrated this point with a slide.) By treating the mother one could also get a puppy with tremendous thyroids. The cretinous children found in Switzerland were the result of a lack of iodine. In this country, when they saw a child with simple goitre they might be sure that the mother had been badly fed while bearing the child. The gland could be reduced in a young animal or child, though not later.

Lack of vitamin A was the root cause of pyorrhœa. The deficiency of this vitamin in the diet caused a swelling of the epithelium, leading to an abscess formation between gum and tooth, and ultimately the tooth fell out. Pyorrhœa was one of the tragedies of this country and the world, and it was due to the infection of a bad

epithelium by bacteria. It was the diet in early life that was most important. Experiments with puppies had shown that where early diet had included much vitamin A and D there was less tendency to pyorrhœa in later life, while if those vitamins were given throughout there was none at all. On the other hand, where little of those vitamins was given in early life pyorrhœa occurred even if the later diet included them. Abscesses at the base of the tongue, broncho-pneumonia, and infection of the alimentary tract had also been traced to lack of vitamin A. The problem, however, was a very big one and anything but simple. Professor Mellanby showed slides summarising the results of experiments with 550 women at an ante-natal clinic before childbirth; 275 of them had been treated with vitamins A and D and the others without them. When the time came it was found that morbidity occurred in only three (or 1.1 per cent.) of the first group, and in 13 (4.7 per cent.) of the second group. An investigation carried out by Dr. J. B. Ellison had brought down the mortality in measles cases from 8.7 per cent. without vitamins A and D to 3.7 per cent. by treatment with those vitamins for ten days.

There was a much more complicated side to the problem, the lecturer continued, and that was that when animals were deficient in vitamins they also got degeneration of the central nervous system. It was not only a question of vitamin A but also of the influence of cereals. He showed slides of the spinal column of dogs in cross-section which illustrated the disastrous effect of the wheat germ. Ergot could be given to an animal with milk, butter or eggs, but without them trouble resulted. Ergot, Professor Mellanby pointed out, contained vitamin D, yet that did not prevent nerve degeneration. But if egg yolk were added the harmful effect was nullified. In human beings the blindness which sometimes followed the operation on the fifth nerve for acute neuralgia was due to the neurotrophic influence of the nerve over the cornea. They had to realise that the various forms of deficiency were related to one another. One deficiency brought about death by infection, but the infection was due to the fact that the nerve had degenerated with a consequent loss of neurotrophic control.

In conclusion Professor Mellanby illustrated some of the practical effects of lathyrism and convulsive ergotism (which occurred in Europe though not in this country), and the structure of the various vitamins. Vitamin B, he said, was going to create the most interest in the near future. In every way the subject of nutrition had made colossal strides, but in biology, unlike chemistry, they never knew what to look for. He wished to emphasise two points in particular: (1) that there was a great deal more to be discovered, and (2) that we did know something more now about feeding pregnant women and their children than before, and about the avoidance of common diseases. The road might be difficult, but once arrived at the results were easy to understand. We knew now that we must eat more milk, more eggs, cheese and butter, and less cereals.

Vote of Thanks

A vote of thanks to Professor Mellanby was proposed by Dr. F. H. Carr, who expressed regret that a man of so many parts should be leaving his magnificent work as a teacher and an experimenter for work in other fields. The work on experimental disease which he had described was a model of what was wanted in so many domains of medicine to bridge the gap between science and practice. Ten years ago in that hall he, himself, had assured a rather sceptical audience that the time would come when the administration of vitamins A and D would become the concern of the pharmacist. Nobody now in that hall would ask, as he had then been asked, whether he had ever seen a vitamin. (Laughter.) He was greatly impressed by Professor Mellanby's statement of the need for pre-natal treatment and treatment during early childhood. Prevention of deficiencies during the development of the tissues was so important that no nation could afford to neglect it. It was now in their power to administer vitamins A and D properly and to prepare foods properly, and all this was made possible through the scientific work of people like Professor and Mrs. Mellanby.

Professor Armstrong, supporting, in a characteristic speech, said that after that lecture they would realise why, in opening the present session, he had advised them to become greengrocers. (Laughter.) During the war they had preferred to eat potato rather than bread, and he was inclined to agree with Professor Mellanby in his condemnation of cereals. It was the question how vitamins A and D acted chemically that made the future so interesting to chemists.

In a brief reply, Professor Mellanby said that in trying to prove his one or two points he had perhaps given the impression that cereals were all bad. The people of the Western Hebrides twenty years ago lived, in the matter of food, not unlike their pigs, yet they had the lowest infant mortality of any place in the world. Their diet was oatmeal, cod (with the liver) and milk. He thought it would be better, as Professor Armstrong had suggested, if more potatoes were eaten.

Branch Meetings

North Staffordshire.—The North Staffordshire Branch held a meeting on January 30 to hear an address by Mr. H. Skinner (a member of the Society's Council). The chairman (Mr. S. R. Farmer), in his opening remarks, said Mr. Skinner needed no introduction to any gathering of pharmacists, but he was happy on this occasion to welcome another fellow pharmacist and introduce Mrs. Skinner to the meeting. He asked Mr. Skinner to tell them something about *The Pharmacy and Poisons Act*. Mr. Skinner expressed his gratification at the large number present, especially on a cold wet winter's night. He suggested they might be in the same state of doubt over the Act at the end of the meeting as they were at the beginning, as all Acts of Parliament, nowadays, laid down certain principles and left it to departments to make regulations. The Act served for guidance, but what was not yet revealed might be more potent in its effect on the profession of pharmacy than the original sponsors of the Bill foresaw. Most of their fears arose from not knowing what the Poisons Board would recommend. At the present time there was quite a lot of clatter in the lay Press about the barbiturates; but where doctors and pharmacologists disagreed about poisonous effects or habit-forming drugs, he, for one, would let the medical men fight out their differences. Frankly, he did not think there was a ghost of a chance for this Act to lead them into paradise, and he, himself, was not sure that they wanted it to do so. The Act provided some means for further consolidation; but if 20,000 members of the Society could not be welded together to do something better than what followed the Act of 1908, then they would have suffered changes in vain. The Society was not the Council, it was the members; and the immediate need was to unite those individuals into a compelling power to work out their own salvation. He then invited questions. Mr. Corner wanted to know if chemists would be protected from jury service. The Act, replied Mr. Skinner, did not deal with the question, and the law remained unchanged. Mr. Redfern wished professional conduct to be defined; Mr. Skinner assured him that he would prefer the Statutory Committee to decide what was the meaning of the phrase. Mr. Corner asked about deduction of the value of the retention fees on the income-tax returns; he was assured that compulsory fees could be deducted. Mr. Mason was anxious about the inspection of chemists' shops, and asked if there would be any inspection of drug stores; it was pointed out that provision was made for the inspection of licensees apart from chemists, but there could not be very much to inspect or to worry about from the pharmaceutical point of view if the Poisons Board and the Secretary of State carried out their proper duties. Mr. Mawby was anxious about the new poisons schedules; he had to be content to await further developments. Mr. Brindley desired to know the scope of the local branches under the Act; the answer was that their job would be to assist the central authority and respond quickly when anything was submitted to them. Whether it would be more or less than at present, none could say. On the motion of Mr. Dale a hearty vote of thanks was accorded to Mr. Skinner.

Association Meetings

Belfast.—A special meeting of the Executive Committee of the Ulster Retail Drug Trade Association was held in Belfast, on February 12, with reference to the indentures proposed by the Council of the Pharmaceutical Society of Northern Ireland. After the discussion it was decided that a deputation consisting of Messrs. John Adams, Percy R. Shinner and John McGregor be appointed to wait on the Council at the next meeting and place the views of the Association before it.

Birkenhead.—*Some N.P.U. Matters* formed the subject of an interesting account of the aims and objects of the National Pharmaceutical Union by Mr. S. J. Stearn (a member of the N.P.U. Executive) before the Birkenhead and Wirral Pharmacists' Association on February 7. In opening his address, Mr. Stearn mentioned the new Pharmacy and Poisons Act, and said that the Executive spent a great amount of time going thoroughly into every clause. In the end they got very little satisfaction out of it. The Executive felt that the chemist with one shop should not be called upon to pay more than the combine shops paid for each one of their branches. Dealing with the work of the Executive, he claimed that in the last few years they had done really useful work for the pharmacist. They had received resolutions from branches asking for representations to be made relative to the restoration of the 10 per cent. cut, and the Executive were only awaiting an opportune moment to broach the matter. Dealing with organisation, Mr. Stearn said that the main difficulty was that they could not feel the pulse of the men in the provinces. If they took the average of attendances at meetings in the country and compared it with the total number of pharmacists in business, they would find the percentage was almost negligible. They were now commencing to use the nurses' cards system. Under this system, chemists send up the names of nurses and the head office issued the cards. The Executive were also tackling the problem of club supplies, and they were doing their best to put a stop to it. He thought that the British public was beginning to realise that the chemist was a man of education who could be relied upon to give better attention, service and quality. If they could emphasise this point they were bound to gain the confidence of the public. Regarding the N.P.U. publicity scheme, he said this presented chemists with an opportunity to help themselves. They wanted the wholesalers to help, but they could not ask them when their own members refrained. In thanking the lecturer, Mr. Waterhouse (chairman) asked him what the N.P.U. intended doing with the money at present. Mr. Stearn said that until they got enough they could not do anything. He had spoken to wholesale representatives on the question, and he thought they should get a considerable amount of help from them. The idea at present was that each chemist would be supplied with a sign and the rest of the money would be used in advertising—and it would be select advertising. Mr. A. Williamson asked whether he did not think it would pay the N.P.U. to have a representative to call round and see if a chemist was a member and if not, try to persuade him to join. Mr. W. H. Clubb said they on the Executive thought Mr. Stearn a man of great ability. He had referred to the lack of enthusiasm among members towards the advertising scheme. He himself did not think they had got one-third of the members to say they would support the scheme, and until they did it was quite hopeless for them to go forward with the scheme. The sign Mr. Stearn had referred to was one they would be proud to have in their shops. Mr. Howarth said he was surprised that no chemist had asked what difference it would make to the man who had not taken part in the scheme. Mr. Stearn remarked that those who paid would show the sign and the sign would appear in the advertisements, and this would provide a means of identification for the public between the sign and the advertising. Mr. Lloyd proposed a vote of thanks.

Cardiff.—The annual meeting of the Cardiff Pharmacists' Association and Cardiff and District Branch was held on January 30, Mr. J. Lee Jones (president) in the chair. The secretary presented his report, which stated that the social and business gatherings were very satisfactory. The sports section also reported record attendances; a donation of £4 18s. from the golf tournaments had been remitted to the Society's Benevolent Fund. The treasurer presented the financial report, which was appreciated, there being a credit balance of over £49. The following were elected office-bearers for the ensuing year:—*President*, Mr. J. T. Day; *Vice-President*, Mr. Trevor Thomas; *Treasurer*, Mr. R. Robinson (re-elected); *Secretary*, Mr. W. Gwynne Wigley (re-elected); *Assistant Secretary*, Mr. F. J. A. Edwards; *Committee* (Cardiff area), Messrs. R. Cule, A. Davies, G. Holley, A. J. Harris, A. S. Johnson, T. Lewis, J. Murray and J. Martin; (outside area), Messrs. H. A. Hobbs, H. J. Gatehouse, J. Hatten, J. Livesey; *Auditors*, Messrs. E. Poole and B. T. James. Messrs. A. S. Johnson and W. Gwynne Wigley were nominated as representatives of the Association on the Pharmacy Advisory Committee of the Welsh College of Pharmacy.

Edinburgh.—The fourth meeting of the fifty-sixth session of the Edinburgh Chemists' Assistants' and Apprentices' Association was held on February 9, Mr. W. A. Beattie (president) in the chair. Mr. F. J. Jackson, Ph.C., gave an address on *Physics in Pharmacy*. The relation of physics to pharmacy, he said, was now of much greater importance than formerly. Under molecular physics, osmotic pressure as explaining the production of isotonic solutions for injection was illustrated. The preparation of a suitable isotonic solution and the measurement of viscosity were explained. The difference between polarised and unpolarised light and the use of the polariscope were illustrated. The use of the refractometer was explained. The rapidly extending uses of ultra-violet rays in the identification and analysis of many substances by means of the mercury-vapour lamp was demonstrated. Two samples of powdered rhubarb, the one official and the other the root of *Rheum rhaponticum*, looked identical in ordinary daylight, but under the ultra-violet rays from the lamp the former showed a brownish-red and the latter a violet fluorescence. Ultra-violet light was also coming into use in pharmacy as a means of sterilisation without heat or autoclave. Many organisms were quickly killed when subjected to the rays. They had now official recognition of ultra-violet radiation in liquor ergosterolis irradiati, B.P. The lecture was fully illustrated by blackboard demonstrations and practical experiments. On the motion of Mr. H. Stout, a cordial vote of thanks was awarded to Mr. Jackson, who, in replying, expressed his thanks to Mr. Murkhart for assistance with the experiments, and to Messrs. Stout and Beattie and the British Hanovia Quartz Lamp Co., Ltd., for the loan of apparatus.

London (S.-E.).—At a meeting of the South-East London Chemists' Association, held on February 6, a lecture on *Infra-Red Photography* was given by Mr. Herbert Flower, A.R.P.S. The meeting was presided over by Captain J. J. G. Hay, and was attended by an unusually large number of members. The lecture, which was illustrated by lantern slides, dealt clearly with the development of this new phase of photography, and the attention of the assembly was indicative of profound interest. Mr. E. G. Price proposed a vote of thanks, which was accorded with acclamation, Mr. Flower briefly replying.

London (S.-W.).—At a meeting of the South-West London Chemists' Association, held on February 9, Mr. G. A. Mallinson (secretary of the N.P.U.) addressed a large gathering upon *The N.P.U. and What it Does for the Man in Business*. Mr. Mallinson showed that the duties performed included negotiations in the chemists' interests with numerous Government and national bodies. The N.P.U., he said, could defend chemists who might at any time, unwittingly, break any one of about three

dozen Acts of Parliament, including now the Pharmacy and Poisons Act. Their inquiry department dealt thoroughly with many and curious demands. They now had a scheme for issuing nurses' discount cards, and this would be put into effect at an early date. The insurances effected by the C.M.I. saved members at least 20 per cent. of premiums demanded elsewhere. Associateship was now open to qualified managers and assistants employed by members, and they would receive valuable protection by enrolling. The Sickness and Provident Society was shown to be a sound investment against sickness and retirement. Great interest was shown by the members in the discussion which followed. Mr. Mallinson was offered the congratulations of the Association upon his appointment to the Poisons Board. Mr. E. Skues moved a vote of thanks.

Public Pharmacists.—A meeting of the Liverpool Branch of the Guild of Public Pharmacists was held on February 8, Mr. R. H. Henriksen in the chair. An interesting address was given on *Vitamins* by Mr. W. H. Topham, B.Sc. Mr. Topham first gave a general *résumé* of the vitamin world, explaining the particular rôle which the various vitamins play in the life of a human being, and that of an animal. He then continued with details of his own experimental work, pointing out that in order to test any particular sample he had first to give the animal or bird a disease, and then proceed to cure it. Interesting photographs and sections of bone demonstrated the results of vitamin treatment. A cordial vote of thanks was proposed by Mr. Nixon.

Festivities

North London Dance

The third dance of the season of the North London Pharmaceutical Association was held on February 1, at the Manor House Hotel, Finsbury Park. The company was somewhat smaller than usual, and consequently the floor was not so crowded. It is gratifying that the younger generation supports these social functions. The next dance will be held on March 1 at the same Hotel.

Norwich Benevolent Effort

A dance arranged by Norwich chemists in aid of the Society's Benevolent Fund, was held at the Regent Ballroom, on February 8. The Lord Mayor and Lady Mayoress were present, and the occasion was made very successful. Mr. F. J. Cook was the genial M.C. and about 100 dancers took the floor. The Lady Mayoress, who distributed the prizes, was presented with a basket of flowers by Miss Robertson on behalf of the Norwich and District Branch. The prize-winners were as follows:—Lucky partner, Miss M. Flack and Mr. Gale; spot dance, Mrs. Reath and Mrs. Hewitt, Miss Seller and Mr. Fugill; guessing competition, Miss E. Goddard and Miss R. Brooks; lucky number, Miss Neale and Miss Howard.

Successful Middlesbrough Whist Drive

The second whist drive of the season was held by the Middlesbrough Chemists' Association on January 31, when over 100 members and friends were present. The happy spirit which prevailed must have been very gratifying to the social committee; and as a special mark of appreciation a hearty vote of thanks was extended to the social secretary, Mrs. Drust. During the evening, Mr. D'Arcy Bray (president) welcomed the guests, and at the conclusion, prizes were presented to the winners by Mrs. Foster (sister of the president). Mr. Enock acted as M.C. The prize-winners were as follows:—*Premier.*—Miss Nancy Thomas. *Ladies,* Mrs. Roberts, Miss Hardy, Mrs. T. A. Ross. *Gentlemen,* Mr. R. Maciver, Miss Leadbetter (playing as gentleman), Mr. Harrison.

Medway Annual Function

The annual dinner and dance of the Medway Branch of the Pharmaceutical Society was held at Chiesman's Restaurant, Maidstone, on January 31, Mr. E. H. Vincent (Chatham) in the chair. Among the guests were Mr. John Keall (president of the Society), Mr. E. A. Atkins (vice-president of the National Pharmaceutical Union), and Mr. R. H. Pratt Boorman, M.A. The toast of "The Pharmaceutical Society" was given by Mr. A. F. Corfe, who commented on the whole-hearted way in which the Society had worked since receiving the Royal Charter. Mr. John Keall, responding, spoke of the changes which were likely to be brought about under the new Pharmacy and Poisons Act, mentioning the fact that the Poisons Board was already working very hard. Proposing the toast of "The National Pharmaceutical Union," Mr. A. Crick protested against parts of the new Act, and said that many pharmacists believed that 1934 might yet go down in history as the year of great surrender to Whitehall bureaucracy. Mr. E. A. Atkins, in reply, said the N.P.U. Executive would endeavour to deal successfully with any situation that might arise, but in the meantime it was necessary to educate the buying public into making purchases from the chemist, and the only way of doing so was by national advertising. The toast of "The Visitors" was proposed by Mr. J. E. French (past-chairman of the Branch), and Mr. R. H. Pratt Boorman replied. "The Medway Branch and Chairman" was proposed by Mr. W. J. Beardsley and, in reply, Mr. Vincent commented on the success of the meetings of the past year. After dinner about 170 guests took part in dancing.

South-Coast Festivity

The annual dinner of the Hastings and St. Leonards Branch of the Pharmaceutical Society was held at the Queen's Hotel, Hastings, on February 7, Mr. G. S. Perrett (chairman of the Branch) presiding. The secretary of the Society (Mr. H. N. Linstead) was the principal guest. Among others present were Mr. W. J. Beardsley (a member of the Society's Council), the Mayor of Hastings (Councillor H. Burden) and the Mayoress (Miss Burden), Mr. H. C. Browne (president of the Eastbourne Pharmacists' Association) and Mrs. Browne, Dr. and Mrs. Nesbitt Wood, Dr. and Mrs. Chamberlain, Mr. D. Marchant (secretary of the Eastbourne Pharmacists' Association), and Miss F. Durrans (secretary of the Medway and District Branch). Mr. G. S. Perrett proposed the toast of "The Pharmaceutical Society." This year, he said, commenced a new era in the life of the Society. The Society never had a better secretary than Mr. Linstead. Mr. Linstead, in reply, congratulated the Branch on the increased number attending the dinner. He referred to the many new entrants into pharmacy. They must choose the very best people they could from the boys and girls of this country to enter the profession. Mr. E. W. Skyrme proposed the toast of "Our Guests." Referring to the medical guests, he said he hoped they would that evening dump another load of earth on the grave of the old animosity between apothecary and physician. The Mayor replied in a witty speech. Mr. W. J. Beardsley, who also replied, made an eloquent appeal for the Society's Benevolent Fund. Dancing followed and some beautiful prizes were won during the evening. A hamper, presented by Brand & Co., Ltd., was auctioned for the Benevolent Fund and brought in over £5. Mr. H. M. Thompson acted as toastmaster and M.C.

The gentle art.—Elderly Lady: I want something for restoring the complexion. Chemist: Restoring, madam? You mean preserving. Result: 10s. sale.—"The Grocer."

Instantaneous.—"I have been watching a row of calm, level-headed girls quietly filling bottles of ether. Not one let a bottle slip from her hands. If she did she would be overcome at once by the amount of ether a full bottle contains."—From an article, "The Chemical Girls," in the "Daily Sketch."

A little learning.—"Horace had taken a postal course in chemistry, and was very proud of his diploma. One day he contracted a sore throat, and, having prescribed for himself, he took the result to the local chemist to have it made up. The druggist read it through twice, and then asked, 'Is it a very large dog?'"—"Australasian Journal of Pharmacy."

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, February 15

THE general report indicates that business in most markets has been none too satisfactory this week. Except for a few speculative products interest is mostly confined to spot sales in rather limited quantities. Despite this rather disappointing aspect, prices are mostly steadily maintained and some further recoveries in values are recorded. In pharmaceuticals business has been very moderate. Convention prices for two of the minor QUININE SALTS have been further advanced. MERCURIALS are very firm and some increase in prices would not be surprising in view of the further advance in metal prices. Makers' prices for small lots of IODIDES may be advanced. In the crude drugs markets business has been fair, with prices on average again a point dearer, particularly forward. CELERY SEEDS tend firmer. CHAMOMILES on spot are practically unobtainable ; stocks are held in bond. Norwegian COD-LIVER OIL is firmer with adverse fishing results to hand. DAMIANA LEAVES are dearer and firm on spot. HENNA is difficult to find on spot and is firm at high prices. MENTHOL is a better market forward; prices show a further slight recovery and business has been fair. MERCURY is again dearer and firm. Most products in the SEEDS markets are firm at recent advances. There is a steady demand for the finer qualities of TRAGACANTH at full prices. In VEGETABLE WAXES the shortage in CARNAUBA has resulted in a substantial recovery in prices, particularly for fatty and chalky greys. BEES' WAXES are also firm and tend dearer. The essential oils markets have had a rather poor week, and the general tone is none too healthy, despite current low prices. CASSIA is a point dearer for shipment. BOURBON GERANIUM is quoted at an advance forward. GINGERGRASS is easier. Sicilian LEMON and ORANGE and other products from this source are quiet. Japanese PEPPERMINT is dull on spot, but there has been more interest in shipment business and slightly better figures are now quoted. PETITGRAIN is easier and WORMSEED is quoted cheaper. The products in the fixed oils group are about steady, and some items are quoted at better prices. AMERICAN TURPENTINE and ROSIN are dearer. LINSEED OIL is steadier. PALM and COTTON OILS are steady, but at comparatively cheap prices.

Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	February 15	Value of the £
Amsterdam ...	Fl. to £	12·107	7·55	12/6¼
Berlin	Mks. to £	20·43	12·88	12/7
Brussels ...	Belgas to £	35	21·79	12/6¼
Copenhagen ...	Kr. to £	18·259	22·40	24/8
Lisbon	Esc. to £	110	109½	19/11
Madrid ...	Ptas. to £	25·22½	37 15/16	29/7½
Milan	Lire to £	92·46	57 13/16	12/6¼
Montreal ...	Dol. to £	4·86⅔	5·07	20/10
New York ...	Dol. to £	nominal	5·03½	20/8
Oslo	Kr. to £	18·159	19·90	21/11
Paris	Fr. to £	124·21	77 3/32	12/6
Prague ...	Kr. to £	164·25	107½	13/1¼
Stockholm ...	Kr. to £	18·159	19·39	21/4¼
Warsaw ...	Zloty to £	43·38	26¾	12/6¼
Zurich	Fr. to £	25·2215	15 70	12/6¼

Bank rate 2 per cent.

Pharmaceutical Chemicals, etc.

BUSINESS on a rather restricted scale is reported this week. Values are keeping quite steady, and in the cases of Continental products to come forward, quotations are dearer on current exchanges. Quinine hypophosphite and valerianate are dearer, with other salts unchanged. Mercury salts tend to advance.

ACETANILID.—Market is quiet but steady: B.P. crystals and powder, 1s. 5½d. to 1s. 8d. per lb., as to quantity.

AMIDOL.—Some small business: 56 lb., 7s. 3d.; 28 lb., 7s. 6d.; 14 lb., 7s. per lb., in 7 lb. tins.

AMIDOPYRIN.—Forward prices continue dear on current exchanges ; some cheap spot sellers ; to arrive: crystals, five cwt., 17s. 8d.; two cwt., 18s.; less than two cwt., up to 19s. per lb., with powder 2¼d. per lb. extra.

AMMONIUM ICHTHOSULPHONATE is steady on a quiet market: one cwt., 1s. 6d., in 14 lb. tins; 1s. 7d. in 1 lb. tins ; 1s. 10d. in 8 oz. tins, and 2s. per lb. in 4 oz tins.

ASPIRIN continues in fair demand with prices keeping up to former rates: home trade, ten cwt., 2s. 9d.; five cwt., 2s. 10d.; one cwt., 2s. 10½d.; 28 lb., 2s. 11d.; 14 lb., 3s.; 7 lb., 3s. 2d. per lb. Export to Colonies and British Possessions: ten cwt., 2s. 9d.; five cwt., 2s. 10d.; one cwt., 2s. 10½d. per lb., f.o.b.; less than one cwt., 2s. 11d. per lb., ex works.

BARBITONE.—A little spot business passing at rates rather under forward prices: spot, one cwt., 13s.; 56 lb., 13s. 1½d.; 14 lb., 13s. 3d.; small parcels, up to 13s. 9d. per lb.

BENZOIC ACID (B.P.).—A steady business being done: quantities, ex works, 1s. 9½d.; spot parcels, 1s. 10d. to 2s. 2d. per lb., ex store, as to quantity.

BENZONAPHTHOL.—Dealers are quoting spot from 3s. 2d. to 3s. 6d. per lb., as to quantity. Market dull

BISMUTH SALTS.—Makers' scales of prices for these salts continue at former rates. Carbonate, cwt. lots, 7s. 8d. per lb.

BROMIDES.—A moderate inquiry in the prices maintained: ammonium, not less than five cwt., 1s. 9d.; one cwt., 1s. 10d.; 28 lb., 2s. 1d.; smaller quantities, 2s. 5d. per lb.; potassium B.P. crystals and granular, not less than five cwt., 1s. 6d.; one cwt., 1s. 7d.; 28 lb., 1s. 10d.; smaller quantities, 2s. 2d. per lb.; sodium B.P., not less than 5 cwt., 1s. 8d.; one cwt., 1s. 9d.; 28 lb., 2s.; smaller quantities, 2s. 4d. per lb., without engagement. Special prices for larger quantities.

BUTYL CHLORAL HYDRATE.—Occasional business at steady prices: spot, 14 lb., 8s.; 7 lb., 8s. 3d.; 1 lb., 8s. 6d. per lb., in 1 lb. bottles.

CAFFEINE.—Dealers' prices for Continental material to come forward are steady: 250 lb., 6s. 6¼d.; 100 lb., 6s. 8¼d.; 50 lb., 6s. 11d.; less than 50 lb., 7s. 1d. per lb. Citrate, 250 lb., 5s. 5d., 100 lb., 5s. 5¾d.; 50 lb., 5s. 7d.; less than 50 lb., 5s. 8¼d. per lb., net, carriage paid on minimum 50 lb. lots. Packages from 5 lb. and upwards free.

CALCIUM LACTATE.—Keen prices quoted for good quantities: spot, one cwt., 1s. 0¾d.; 56 lb., 1s. 1½d.; 28 lb., 1s. 2½d.; smaller quantities, up to 1s. 6d. per lb.

CHLORAL HYDRATE.—Makers' prices for home trade are steady ; duty-paid crystals, in 14 lb. free containers, five cwt., 3s. 8d.; one cwt., 3s. 4d.; 56 lb., 3s. 5d.; 28 lb., 3s. 6d.; 14 lb., 3s. 7d. per lb.; 28 lb. jars one penny per lb. extra.

CITRIC ACID (B.P. CRYSTALS).—British makers' quoted price for home trade is steady at 9½d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers are offering at keen prices.

COCAINE.—The recent advances in makers' prices are steadily maintained. Export prices vary as to destination.

CREAM OF TARTAR.—Home makers' quoted price for 99 to 100 per cent. material is held at 80s. per cwt., less 2½ per cent. discount, nominal and without engagement. Dealers' prices are about level.

ETHER (METHYLATED).—Makers' prices are as follows: s.g. 0.750, 1s. 1½d.; 0.735, 1s. 2d.; 0.730, 1s. 2d.; 0.725, 1s. 4d. per lb., in w-quarts ; 12 w-quarts, halfpenny less and packed in drums or carboys 1d. less.

FERRI QUININE CITRATE.—Makers' prices are as follows:—

Packing	100 oz. Per oz.	Less than 100 oz. Per oz.	Packing	100 oz. Per oz.	Less than 100 oz. Per oz.
100-oz. tins ...	10½d.	—	8- & 4-oz. bottles	11¼d.	11¾d.
25-oz. tins ...	10¾d.	11d.	1-oz. bottles ...	1/0½	1/1
16-oz. bottles ...	11d.	11½d.	½-oz. bottles ...	1/3½	1/4

Special prices for larger quantities.

HEXAMINE.—Home makers' prices are steady and foreign competition is not so much in evidence. British free-running crystals, five cwt., 1s. 8d.; two cwt., 1s. 8½d.; one cwt., 1s. 9d.; smaller parcels, up to 2s. per lb.; powder, in bulk lots, from 1s. 5d. to 1s. 6½d. per lb., as to quantity.

HYDROQUINONE.—Makers' scales of prices for one delivery and for contracts are unchanged.

IODIDES.—Makers' prices for bulk quantities of these salts are unchanged. It is understood that their prices for small lots up to 28 lb. may be revised to a level of those quoted by wholesale distributors.

MERCURIALS.—The makers' prices for these salts are very firm and tend to advance if the metal goes any dearer.

METHYL SALICYLATE (B.P.).—Fairly steady, with rather more inquiry about; ten cwt., 1s. 5d.; five cwt., 1s. 5½d.; one cwt., 1s. 6d.; less than one cwt., 1s. 7d.; small quantities, in bottles, up to 2s. per lb.

METHYL SULPHONAL.—Continues at high figures to come forward: ten cwt., 19s.; one cwt., 19s. 8d.; 56 lb., 20s.; small parcels, up to 20s. 9d. per lb. Spot parcels would be at rather cheaper prices.

METOL.—Steady with a limited business: 56 lb., 9s. 6d.; 28 lb., 9s. 9d.; 7 lb., 10s. 9d. per lb., in 7 lb. tins, bottles extra. Wholesale distributors' prices for smaller quantities would be dearer.

MORPHINE SALTS AND DERIVATIVES.—Makers' scales of wholesale quantities and prices are maintained. Distributors' prices for small lots would be at higher figures.

PHENACETIN.—Rather more business being done and the market is steady: crystals, five cwt., 3s. 7½d.; two cwt., 3s. 9d.; 56 lb., 3s. 10½d.; smaller parcels, up to 4s. 3d. per lb.

PHENAZONE.—Spot is slightly steadier, but is still under replacement costs on current exchange rates: spot, crystals, five cwt., 9s. 7½d.; two cwt., 10s. 2d.; and less, up to 11s. per lb., with powder 2¼d. per lb. extra.

PHENOLPHTHALEIN.—Home makers' prices are keeping steady, fair inquiry: five cwt., 2s. 8d.; two cwt., 2s. 9d.; one cwt., 2s. 10d.; 28 lb., 3s.; 14 lb., 3s. 1d.; 7 lb., 3s. 2d.; smaller parcels, up to 3s. per lb.

PHENYL ETHYL BARBITURIC.—Dearer forward and spot prices tend to become steadier; small parcels, about 30s. per lb., and less for bulk quantities.

POTASSIUM PERMANGANATE (B.P.).—Average small business on a steady market: quantities in two cwt. drums, 9d.; druggists' parcels, 9½d. to 10½d. per lb., as to quantity.

POTASSIUM SULPHOGUAIACOLATE.—Dealers are quoting small spot parcels at 6s. 4d. to 6s. 6d. per lb.; dearer forward.

PYROGALLIC ACID.—Makers are quoting as follows: 56 lb., 7s. 9d.; 28 lb., 8s.; 14 lb., 8s. 6d.; 7 lb., 9s. 3d. per lb., in 7 lb. tins. Wholesale distributors' prices for small quantities at higher figures.

QUININE SALTS.—Convention prices for hypophosphite and valerianate have been further advanced; other salts continue at last week's higher prices: sulphate, 2s.; bisulphate, 2s.; ethyl carbonate, 2s. 7½d.; salicylate, 2s. 8d.; phosphate, 3s.; hydrochloride, 2s. 6¾d.; bihydrochloride, 2s. 9¾d.; hydrobromide, 2s. 6¼d.; bihydrobromide, 2s. 9½d.; valerianate, 3s. 5¼d.; hypophosphite, 3s. 8¾d.; alkaloid, 2s. 9¾d. per oz., carriage paid on bulk quantities.

RESORCIN.—British material is quoted at the following figures: crystals, one cwt., 4s. 11d.; 56 lb., 5s.; 28 lb., 5s. 1d.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; less than 7 lb., up to 6s. per lb.

SALICYLIC ACID (B.P.).—A fair inquiry, with makers' prices holding: ten cwt., 1s. 7½d.; five cwt., 1s. 8d.; one cwt., 1s. 8½d.; 28 lb., 1s. 9d.; 14 lb., 1s. 10d.; 7 lb., 2s. per lb.

SANTONIN.—Occasional business in small parcels, with prices keeping in the region of £18 per kilo.

SODIUM BENZOATE (B.P.).—Moderate inquiry, market about steady: cwt. lots, 1s. 7d.; smaller parcels, up to 2s. per lb.

SODIUM DIETHYLBARBITURATE—Quoted unchanged on a quiet market: spot, one cwt., 13s.; 56 lb., 13s. 3d.; 28 lb., 13s. 6d.; 14 lb., 13s. 9d.; 7 lb., 14s.; smaller parcels, up to 15s. per lb.

SODIUM SALICYLATE (B.P.).—Inquiry is fair and quoted prices are keeping about steady: home trade, powder, one ton, 2s. 0¾d.; ten cwt., 2s. 1d.; five cwt., 2s. 2d.; one cwt., 2s. 3d.; 28 lb., 2s. 4d.; 14 lb., 2s. 6d.; 7 lb., 2s. 7d. per lb., with crystals one penny per lb. extra.

SULPHONAL.—Shipment prices from the Continent continue dear: crystals, two cwt., 15s. 3d.; one cwt., 15s. 8d.; 56 lb., 16s.; smaller parcels, up to 17s. per lb., with powder 2d. per lb. extra. Spot prices would be on a lower level in some instances.

TARTARIC ACID (B.P. CRYSTALS).—As quoted by British makers, the market is firm at 1s. 0¼d. per lb., less 5 per cent. discount, nominal and without discount.

THEOBROMINE.—Continental material to come forward is fully steady at the recent advance: pure, 250 lb., 6s. 6¼d.; 100 lb., 6s. 8¼d.; 50 lb., 6s. 11d.; less than 50 lb., 7s. 1d. per lb. Sodium salicylate, 250 lb., 6s. 4½d.; 100 lb., 6s. 5¾d.; 50 lb., 6s. 6¼d.; less than 50 lb., 6s. 7¾d. per lb., net, carriage paid on minimum 50-lb. lots. Packages from 5 lb. upwards free.

Crude Drugs, etc.

ACONITE ROOT.—Dealers quote Japanese at 50s. and Napellus at 60s. per cwt.

AGAR.—Spot market quiet; shipment prices steady: spot, Kobe, No. 1, 1s. 11d.; No. 2, 1s. 9d.; Yokohama, No. 1, 1s. 9d. per lb.; shipment, Kobe, No. 1, 1s. 7¾d.; No. 2, 1s. 6¼d.; Yokohama, No. 1, 1s. 6d. per lb., c.i.f.

ALKANET ROOT.—Spot root in small parcels is mentioned at about 45s. per cwt.

ANTIMONY.—Market is steady, quiet. Chinese crude, spot, £20; shipment, £18, c.i.f. Chinese oxide, spot, £28; shipment, £24, c.i.f.

ARNICA FLOWERS.—Some spot supplies of Montana are quoted at about 9d. per lb.

BALSAMS.—*Tolu* continues quite steady on spot at 2s. 5d. per lb. for small parcels. Canada, 2s. 2d. to 2s. 3d. per lb.

BELLADONNA.—Good test root is nominal on spot with nothing much available. Leaves, in bond, are mentioned at 60s. per cwt.

BUCHU.—A few sales of a bale or two are recorded on spot. Rounds, fair to good green, 10d. to 10½d.; yellowish to medium, 8d. to 9d.; ovals, 7¼d. to 8d. per lb., as to quality.

BURDOCK ROOT.—Dealers are quoting spot root at 65s. per cwt.

CAMPHOR.—Market is dull and quoted unchanged: spot, slabs, 2s. 1d.; flowers, 2s. 1½d.; tablets, 2s. 5d. per lb.; shipment, slabs, 1s. 9½d.; flowers, 1s. 10d.; tablets, 2s. 1¼d. per lb., c.i.f. English refined is quoted unchanged; flowers, one cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz. and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz., ⅓ oz. and ¼ oz., 3s. 6d. per lb.; special prices for contracts for quantities.

CARDAMOMS.—Prices are fully maintained. Aleppy, greens, spot, 2s.; shipment, 1s. 9d., c.i.f. Bombay seed, spot, 2s. 9d.; shipment, 2s. 4½d. per lb., c.i.f. Ceylon Mysore bleached are very steady on spot at former prices.

CASCARA SAGRADA.—The shipment figure for limited stocks of last season's peel is 29s. 6d. per cwt., c.i.f. Small parcels are at about 36s. 6d. per cwt., spot.

CELERY SEEDS.—Spot prices for small parcels are firm and slightly dearer at 1s. 9d. per lb.

CHAMOMILES.—Practically nothing left on spot, with prices firm in the region of 350s. per cwt. Stocks in bond. Delay in issuing result of application on "cut-flower" duty is seriously hampering trade, particularly re-export business.

CLOVES.—Market has been quieter and values are barely maintained. Zanzibar, spot, 5¾d.; shipment, March-April, 5d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended February 10 were *nil* and the deliveries 51, leaving a stock of 3,488. From January 1 to date, landings of Zanzibar have been 1,351 and the deliveries 385. Landings of Madagascar for the week ended February 10 were *nil* and the deliveries 5, leaving a stock of 901. From January 1 to date, landings of Madagascar have been *nil* and the deliveries 81 packages.

COCOA BUTTER.—Values are steady from 8½d. to 9½d. per lb., as to quality and quantity.

COCONUT (DESICCATED).—Market is steady at unchanged figures, business limited. Spot, fine, 15s. 3d.; medium, 14s. 9d.; shipment, halves, February-March, 14s. 3d. per cwt., c.i.f.

COD-LIVER OIL.—Lofoten fishing results to February 12 were 5,610 tons of cod and 2,174 hectol of oil, compared with 6,681 tons cod and 3,732 hectol oil at the same date in 1933 and 5,739 tons cod and 2,772 hectol oil in 1932. Stormy weather has again hindered fishing. Shippers are reserved, with the quotation for finest Lofoten steam refined non-freezing oil 102s. 6d. per barrel, c.i.f. Spot, for small lots, about 140s. per barrel. Newfoundland finest non-freezing medicinal oil, 132s. 6d. per barrel, ex store. British oil, non-freezing finest medicinal, 115s. per barrel, c.i.f. London.

COLCHICUM.—Dealers are quoting root on spot at about 47s. 6d. per cwt.

DAMIANA LEAVES.—Spot supplies are short and firm at fully 1s. 4d. per lb. for small parcels.

DANDELION ROOT.—Spot foreign root in small parcels, about 70s. per cwt.

ERGOT.—Market is fully steady, business fair. No Russian on the market. Spanish, 1s. 8d.; Portuguese, 1s. 7d. per lb., spot.

GELATIN.—Average business being done, with dealers' prices very steady: German gold leaf, 2s. 4d.; silver leaf, 2s. 2d.; bronze leaf, 1s. 10d.; plain label, 1s. 8½d. French, gold leaf, 1s. 10d.; silver leaf, 1s. 8d.; bronze leaf, 1s. 6½d. per lb., in cwt. cases.

GINGER.—Business has been quiet. West African, spot, 20s. 6d. for arrival, 19s. 6d. per cwt., c.i.f. Jamaican is quoted from about 80s. to 107s. 6d. per cwt.

GRAINS OF PARADISE.—Small spot parcels are mentioned at about 47s. 6d. per cwt.

GUM ACACIA.—The market continues steady at the recent advances; rather quiet: spot, Kordofan cleaned sorts, 34s. 6d.; bleached, 66s. to 72s. 6d. per cwt.; shipment, Kordofan cleaned sorts, February-March, 29s. 6d.; April, 30s. 6d. per cwt., c.i.f.

HENNA LEAVES.—Spot supplies are now extremely scarce and holders are asking fully 50s. per cwt. Delay in issuing result of "foliage" duty application is hindering trade badly.

HONEY.—Market has again been quiet, but holders' prices are steadily maintained. Jamaican, pale set, 48s. to 50s.; dark amber, 41s. to 42s.; dark liquid manufacturing, 38s. to 39s. per cwt.

HYDRASTIS.—Some limited business; recent advances maintained. Spot, 5s.; shipment, 4s. 3d. per lb., c.i.f.

INSECT FLOWERS.—Dalmatian flowers on spot are quoted at about 110s. per cwt.

IPECACUANHA.—Some few sales on spot, with Matto Grosso about steady at 4s. 4½d. to 4s. 6d. Minas, about 4s. per lb., spot.

LIQUORICE ROOT.—Some natural root in fair quantities is available at about £16 per ton.

LOBELIA HERB.—Dealers' prices are very steady on a short supply at 2s. per lb., spot.

MANNA.—Dealers are offering small lots of selected flake at about 5s. per lb.

MENTHOL.—The spot market has remained dull, with K/S brands about 9s. 4½d. to 9s. 6d., and less for bulk quantities. There has been more doing in goods afloat and for shipment with values on a slightly higher level and the market tending firmer. January-March, 8s. 3d.; April-June, 8s. 4½d.; July-August, 8s. 9d. per lb., c.i.f. Japanese shippers quoting 9s., c.i.f. Closing firm, good inquiry.

MERCURY.—This product shows a further advance and the market continues very steady, although business has been only moderate. Spot, £10 17s. to £11 per bottle, ex store. Shipment is now up to 53 dollars per bottle, f.o.b. Continent.

OPIUM.—Market is fully maintained at former advances, with spot and shipment holders very reserved. Shipment, 1s. 5d. per unit., c.i.f., nominal. Spot, fully 1s. 7d. per unit, landed and duty paid, nominal.

ORRIS ROOT.—Dealers are quoting small parcels of Florentine at about 42s. 6d. per cwt.

PEPPER.—The market has been rather quieter and values are slightly easier on the week. Lampong, spot, 5¼d.; shipment, March-May, 4¾d.; April-June, 4 13/16d.; August-October, 4 15/16d. per lb., c.i.f. Tellicherry, spot, 5½d.; shipment, March-May, 46s. 6d., c.i.f. Aleppy, spot, 5¼d.; shipment, March-May, 45s. 6d., c.i.f. White Muntok, spot, 8¼d.; shipment, March-May, 7½d.; April-June, 7 7/8d. per lb., c.i.f.

PIMENTO.—Market is steady but not so active; spot, 3⅜d. per lb.; afloat, 27s.; shipment, March, 27s. 6d. per cwt., c.i.f.

QUILLAIA BARK.—This market is fully steady, with whole bark at 20s. and crushed at 28s. 6d. per cwt., spot.

RUBBER.—Market has been moving up and down, closing steady at the better rates. Standard ribbed smoked sheet, spot, 4 25/32d.; February, 4 25/32d.; March, 4 25/32d.; April-June, 4 27/32d.; July-September, 4 15/16d.; October-December, 5 1/32d. per lb.

SAFFRON.—Prices have advanced, business fair: spot, prime B.P., 53s.; extra B.P., 52s.; super B.P., 49s. per lb., and slightly less for bulk quantities.

SARSAPARILLA.—Occasional business, market steady: spot, native mixed colours, 1s. to 1s. 1d.; grey Jamaican, 1s. 8d. to 1s. 9d. per lb., as to quantity.

SEEDS.—ANISE.—Spot, Spanish, 60s.; Bulgarian, 41s., duty paid. CANARY.—Mazagan on spot offered at 18s. 6d., duty paid. CARAWAY.—Dutch, spot, 48s. 6d., duty paid, sold; 41s. quoted f.o.b. Rotterdam. CORIANDER.—Business a little quieter. Spot, quoted at 21s. 6d. duty paid, 19s. 6d. in bond, and for shipment 17s. 9d., c.i.f., business reported. CUMIN.—No Morocco on spot, shipment quoted at 65s., c.i.f. Malta offered on spot at 65s. FENUGREEK.—Tunisian, 14s. 6d., spot; Morocco now quoted at 13s., duty paid. The price for shipment is £10 15s. per ton, c.i.f. MUSTARD.—English, 18s. 6d. to 29s., according to quality.

SENEGA.—Market remains dull and at cheap figures. Spot, 1s. 4½d.; shipment, 1s. 3½d. per lb., c.i.f.

SENNA.—There has been a general inquiry this week, with some fair orders placed for both home and export. Prices continue very steady, with prime green Tinnevelly leaves advanced ¼d. per lb. all round. A few small arrivals of new crop hand-picked Alexandrian pods reached this market, but were soon cleared at good prices. The bulk of the crop is not expected for a few weeks, and somewhat higher prices than last season may be seen.

SQUILL.—Some small lots of fair white are available at about 30s. per cwt.

STRAMONIUM LEAVES.—Supplies are now very scarce and quoted at 85s. to 90s. per cwt., spot.

TRAGACANTH.—There has again been a fair business in medium to white qualities at about £18 to £24 per cwt. The demand for the lower grades has been slow, but values are fully maintained. The trade is being hampered by the delay in issuing the result of the application for the import duty to be removed from this product.

TUBA ROOT.—There has been a fair demand, with whole root of good test quoted at 9½d. per lb.

VALERIAN ROOT.—Dealers are quoting spot root at about 55s. per cwt.

WAX (VARIOUS).—Carnauba fatty and chalky grey is a very strong feature, with shippers at one Brazilian port advising there are no more stocks available. Shippers are very reserved; resale parcels, March-April shipment, offered at 81s., c.i.f., for fatty and 75s. for chalky. Spot, 87s. 6d., duty paid; in bond, 80s. per cwt. Primeria: practically nothing offering; spot, 160s., duty paid; 140s. afloat; 145s. in bond. Mediana: no spot offers; shipment, fully 128s., c.i.f. BEES', Dar-es-Salaam, 92s. 6d. to 95s., ex store. Shippers report no stocks available at origin, nominal at 90s., c.i.f. Abyssinian, spot, 92s. 6d.; 86s., c.i.f. Benguella, 84s. in bond and 85s., c.i.f., Lisbon to London.

Essential Oils, etc.

THE volume of business done this week has hardly been satisfactory, and has been mostly for limited spot quantities. Some products are rather firmer, such as Bourbon geranium and Madagascar clove, while others, such as spearmint, petitgrain, gingergrass and wormseed are rather easier. Japanese peppermint for shipment is a better market.

ALMOND.—English oil in cwt. lots steady at 2s. 6d. and smaller parcels up to 2s. 8d. per lb. Foreign, cwt. lots, 2s. 4d.; smaller parcels, up to 2s. 7d. per lb.

ANISE (STAR).—Market has been dull, shipment prices are steady: spot, "Red Ship," in leads, 1s. 10½d.; in tins, 1s. 8½d.; in drums, 1s. 7½d.; shipment, in leads, 1s. 8d.; in tins, 1s. 6d.; in drums, 1s. 5½d. per lb., c.i.f.

APRICOT KERNEL.—Home makers are quoting cwt. lots at 1s. 4d. and up to 1s. 6d. per lb. for small parcels.

BERGAMOT.—Inquiry for shipment remains slow, with best brands quoted about 6s., c.i.f.; other offers may be cheaper. Spot oil is mentioned at 6s. to 6s. 4d. per lb.

BOIS DE ROSE.—Brazilian oil on spot is steady in the region of 4s. 8d. per lb. for small lots. Shipment is held at 4s. 4½d., c.i.f., but inquiry is poor.

CAJUPUT.—B.P., 1932, 2s. 1½d. to 2s. 4½d.; green, 1s. 10d. to 2s. per lb., as to quantity. Business quiet.

CANANGA.—Small spot parcels would be close up to 8s. 6d.; shipment is about 6s. 6d. per lb., c.i.f., with very little inquiry.

CASSIA.—The shipment market continues firm and is a point dearer at 3s. 2d. per lb., c.i.f. Spot is firm with supplies of good quality oil short at 3s. 8½d. per lb.

CEDARWOOD.—Some inquiry on the market with the Empire oil at keen prices. Quoted at about 1s. 5d. per lb., in drums. American, spot, 1s. 6½d., forward, 1s. 3½d. per lb., c.i.f., in drums.

CINNAMON LEAF.—A limited inquiry, market steady at about 2s. 10½d. to 3s. 3d. per lb., as to quality.

CITRONELLA.—The Java shipment market is keeping steady at about 1s. 5¼d. per lb., c.i.f. Small spot lots, 2s. to 2s. 1½d. per lb. Ceylon is maintained at 1s. 3½d., c.i.f., for fair quantities.

CLOVE.—Madagascar oil to come forward is now fully 2s. 4½d., c.i.f., with a fair inquiry about; spot oil, 3s. 5d. to 3s. 6d. per lb. English-made B.P., 3s. 8d. to 3s. 11d. per lb., as to quantity.

EUCALYPTUS.—Fair business continues, market steady. Australian, 70 to 75 per cent., 1s. to 1s. 1d.; 80 to 85 per cent., 1s. 1d. to 1s. 1½d. per lb., landed. Spanish, 70 to 75 per cent., 1s. 2d. per lb., spot.

GERANIUM.—There has been some inquiry for shipment, and as a result prices have hardened up to 22s. 6d. per lb., c.i.f. Genuine oil on spot, about 23s., and some oil is at much cheaper figures. Algerian is firm and scarce at 24s. per lb., c.i.f.

GINGERGRASS.—Market has again been dull: spot, 4s. 10d. to 5s. per lb.; shipment, 4s. 4d. per lb., c.i.f.

LAVENDER.—Spot supplies of French, 38 to 40 per cent., are available at under the current shipment quotation for genuine oil, and a few small orders are reported.

LEMON.—A distinctly poor market. Sicilian new crop hand-pressed is quoted at about 3s. 9d., c.i.f., for best brands. Spot, about 4s. to 4s. 3d. Machine-made, about 3s. 2d. per lb., c.i.f. Californian, in large drums, 48 cents, and in small drums, 49 cents per lb., spot.

LEMONGRASS.—This market keeps very steady, although business has slackened this last week or two. Shipment, 4s. 1d. to 4s. 2d., c.i.f., with spot oil at about the same figures.

ORANGE.—Business for oil of any origin seems to have been poor. French Guinea oil in bulk lots for shipment is reported to be offering at very low prices. Sicilian sweet is quite neglected, with best brands about 5s. 3d., c.i.f.; bitter oil, about 4s. 2d. per lb., c.i.f. Californian, spot, one case, 61 cents, two or more cases, 56 cents per lb.

ORRIS.—English concrete is quoted steadily at 15s. to 19s. per oz., as to quantity.

PALMAROSA.—Only a small spot business being done. Spot, 6s. 2d. to 6s. 3d.; shipment, about 5s. 6d. per lb., c.i.f.

PATCHOULI.—English-made oil is steady at about 20s. per lb. Singapore, spot, about 6s. 4d. to 6s. 6d. per lb., for small lots.

PEPPERMINT.—The spot market dealing in Japanese has remained quiet and quoted at about 3s. 3d. per lb. There has been a fair interest in shipment with values a point better and the market fully steady: January-March, 3s. 1½d.; April-June, 3s. 3d.; July-August, 3s. 4d. per lb., c.i.f. Japanese shippers are quoting at 3s. 9d. per lb., c.i.f. American natural oil is reported to be steadier with the best oil in drums at 2 dollars 65 cents per lb.

PETITGRAIN.—Market has been dull and is again rather easier. Spot, about 4s. 3d.; shipment, about 3s. 9d. per lb., c.i.f.

ROSEMARY.—Occasional business reported. Spanish from 1s. 5½d. for bulk quantities up to 1s. 10d. per lb. for small parcels. French, 2s. 9d. per lb.

SANDALWOOD.—English distilled East Indian, 22s. 6d. to 25s. per lb., as to quantity. Genuine Mysore East Indian, 20s. per lb. English-made West Indian, cwt. lots, 6s. 9d.; 56 lb., 6s. 10½d.; 14 lb., 7s. per lb.

SPEARMINT.—There has been occasional inquiry with quotations keen. Spot, about 6s. 3d.; shipment, about 5s. 3d. per lb., c.i.f.

SPIKE.—Spot holders continue to quote at prices that take any business about, with offers about 4s. 3d. to 4s. 6d. per lb. Shipment, as now quoted at the source, would cost close up to 5s. per lb., landed, for best Spanish.

WORMSEED.—Some spot holders are quoting down to 9s. per lb., spot; shipment is in the region of 8s. per lb., c.i.f.

Fixed Oils, etc.

A MODERATE business is reported in most products. American turpentine and resin are dearer. Linseed oil is steady. Castor oil is quoted at better prices. Coconut oil is still at comparatively cheap figures. Palm oils are steady but dull. ACID OILS.—Rather easier on a slow market: coconut and/or palm kernel, 16s. 3d.; groundnut, 16s. 7½d.; soya, 15s. 1½d., spot. CASTOR.—Quoted prices are slightly better, business fair: pharmaceutical, 38s.; first pressings, 33s.; second pressings, 30s. (barrels); cases, £4 per ton extra, ex mills, Hull, in not less than one-ton lots. Bombay, 25s. 9d. (drums), c.i.f. COCONUT.—Prices are a little better, but are still at a low level, business slow: deodorised, 27s. 3d. (barrels), spot; Ceylon, 14s. 9d. (drums), c.i.f. COTTON.—Market is fairly steady, but there is not much doing: deodorised, 20s. 6d.; common edible, 19s. 3d.; soapmaking, 17s. 9d.; crude, 15s. 6d. (barrels), spot. GROUNDNUT.—Prices are maintained on a slow market: deodorised, 27s. 3d. (barrels), spot; crude Oriental, 19s. 3d. (drums), c.i.f. LINSEED (RAW, NAKED).—Market is keeping steady with a moderate business moving: on spot, 19s. 9d.; February, 18s. 4½d.; March-April, 18s. 7½d.; May-August, 19s.; September-December, 19s. 4½d. Boiled oil, spot, 22s. 3d. OLIVE.—Dealers' prices are a point dearer, market steady: edible, in tins in cases, 70s. per case of ten gallons; B.P., 5s. per gallon, in 40-gallon barrels. PALM.—Rather better prices are quoted, with the market steady. Business is restricted: Lagos, 14s. 3d., shipment; softs, 12s. 9d., shipment; mediums, 13s. 9d., shipment; hards, 14s. 3d., shipment; bleached, 17s. 3d., spot. PALM KERNEL.—Rather easier on a dull market: deodorised, 24s. 3d.; crude, 17s. 3d., spot. RESIN.—Values show a sharp advance: B, 14s. 3d.; D, 14s. 6d.; F/G, 15s. 3d.; N, 16s. 3d.; W/G, 16s. 6d.; W/W, 16s. 9d. per cwt., ex wharf. SOYA.—Prices show a slight recovery, business moderate: deodorised, 25s.; crude, 19s. 9d., spot. TURPENTINE, AMERICAN.—At the higher figure now quoted the market is steady: total London stocks, 15,102 barrels; on spot, 51s. 9d.

Commercial Notes

U.K. ADDITIONAL IMPORT DUTIES ON FRENCH GOODS.—There are no products of interest to the chemical trade in the list issued by the Board of Trade on which an additional import duty of 20 per cent. (making the total duty payable 30 per cent. *ad valorem*) has been imposed, operating from February 13.

CANADIAN CHEMICAL IMPORTS, 1933.—The total value of imports into Canada of chemicals of all descriptions and allied products for the year 1933 amounted to $24,068,278, of which $5,293,912 were shipped from the United Kingdom and $13,692,575 from the United States.

U.S.A. IMPORT DUTY ON MERCURY AND MERCURIALS.—The United States Tariff Commission has heard an application made by the American Quicksilver Producers' Association for an increase in the rate of duty on imports. The present rate of duty on mercury is 25 cents per lb. The decision of the Tariff Commission has not yet been published.

IRISH FREE STATE IMPORTS OF CHEMICALS, ETC.—Imports of medicines and medical preparations during 1933 were valued at £273,133, compared with £320,352 in 1932. Perfumery, cosmetics imported during 1933 amounted to £87,202 against £103,654 in 1932. Chemical products landed in 1933 were valued at £228,880 against £206,494 in 1932. Disinfectants, etc., imports for 1933 amounted to £60,101 and £59,754 in 1932.

LONDON STOCKS OF DRUGS, ETC.—Stocks at January 31, 1933: ALOES, 466 cwt. (374 cwt. in 1933). CASCARA SAGRADA, 97 tons (21 tons in 1933). BEES' WAX, 1,900 packages (2,047 packages in 1933). JAPANESE VEGETABLE WAX, 350 cases (561 cases in 1933). CAMPHOR, 535 packages (439 in 1933). CARDAMOMS, 553 cwt. (439 cwt. in 1933). DRAGONS BLOOD, 230 cases (230 cases in 1933). GALLS, China and Japan, 229 cases (254 cases in 1933). GUM ACACIA, 8,081 packages (7,979 packages in 1933). ASAFŒTIDA, 79 cwt. (255 cwt. in 1933). BENZOIN, 799 cwt. (573 cwt. in 1933). OLIBANUM, 489 packages (417 packages in 1933). TRAGACANTH, 5,737 packages (11,640 in 1933). IPECACUANHA, all kinds, 126 cwt. (182 cwt. in 1933). NUX VOMICA, 522 cwt. (37 cwt. in 1933). RHUBARB, 440 cwt. (314 cwt. in 1933). SENNA, 5,468 bales (4,305 bales in 1933). SHELLAC, orange, 111,641 cases (29,568 cases in 1933). TURMERIC, Bengal, 31 tons (27 tons in 1933). Madras, Cochin, etc., 79 tons (30 tons in 1933).

Sudan Gum Acacia Exports

BOXALL & CO. report that the exports for December amounted to 1,509 tons, compared with 1,020 tons for the same month of 1932. The total exports for 1933 amounted to 17,089 tons, compared with 19,455 tons during 1932. The chief destinations were as follows:—

DESTINATION	1932			1933		
	Jan.–Nov.	Dec.	Total	Jan.–Nov.	Dec.	Total
Great Britain ...	4,478	358	4,836	3,183	371	3,554
U.S.A.	2,533	114	2,647	2,739	154	2,893
France	2,928	112	3,040	1,641	289	1,930
Germany	2,197	103	2,300	2,057	147	2,204
Italy	1,323	77	1,400	1,256	104	1,360
Belgium	1,072	73	1,145	1,150	136	1,286
Japan	552	41	593	773	13	786
Holland	852	54	906	797	59	856
Spain	437	20	457	414	56	470
Sweden	265	8	273	211	—	211
Norway	34	3	37	33	8	41
Australia	567	2	569	323	15	338
New Zealand ...	46	2	48	41	2	43
China	184	14	198	183	20	203
Canada	96	—	96	50	30	80
British India ...	148	—	148	33	19	52
Denmark	100	2	102	101	19	120
Finland	41	—	41	46	7	53
Poland	40	—	40	49	12	61
Rumania	28	—	28	53	2	55
Greece	40	4	44	50	12	62
Egypt	149	10	159	148	1	149
Argentine	107	—	107	113	30	143
Brazil	82	2	84	41	—	41

The export figures are made up of the following qualities:—

		Hashab	Bleached	Talha	Total
December, 1932 ...	tons	928	3	89	1,020
December, 1933 ...	tons	1,379	27	103	1,509
January–December, 1932	tons	17,229	193	2,033	19,455
January–December, 1933	tons	15,278	247	1,564	17,089

Correspondence

Letters should be written on one side of the paper only. Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor.

British Goods in France

SIR,—As recent happenings may have created a contrary impression, will you please permit me to say that there is no hostility to British goods, as such, in French markets? An experience extending over many years has convinced me that if British manufacturers will take the trouble to study the peculiar requirements of these markets and will take pains to be suitably represented in France they can count upon increasing sales. One thing especially needed throughout France is more and more suitable publicity for British goods. Excellent work is being done just now in Paris in advertising the British Industries Fair to be held this month. The posters displayed here remind me of an experience I had last year. My directors had agreed to my visiting England to make a thorough tour of industrial centres where I believed I could arrange to increase our imports of British products. The expenses of the tour, which would have taken several weeks, however, appeared formidable, and we hesitated to incur them. Just then I happened to see a poster advertising the 1933 British Industries Fair. Inquiries at the British Consulate showed that I could meet at the Fair principals of all the firms I had proposed visiting separately at their works. Accordingly, I came to the Fair and there dispatched in a few days business which I had expected to occupy several weeks. The total expense was a fraction of what would have been incurred for the proposed tour as originally planned. By personal contact with the British manufacturers I was able to explain peculiar conditions of the French market which they had not previously appreciated, and the result has been a substantial increase in our sales of British products. I have reason to know that many distinctive British articles would, with a little adaptation and suitable cultivation of publicity, find a cordial welcome in France. But your manufacturers must take the trouble to acquaint themselves with apparently small, but none the less vital, differences between conditions here and those in the United Kingdom or other markets with which they are familiar.—Yours faithfully,

Paris (8e). G. R. TOOGOOD.

Chemists and Grocers

SIR,—Some time since, the Grocers' Federation demanded the passing of the Pharmacy and Poisons Bill. Now the Bill has become an Act, and yet it does not quite suit the tastes of this trade organisation. There is selfishness and no altruism in the propaganda of these gentry. Having poached a good share of the business in drugs and patent medicines, at cut rates more often than not, they have secured a place in the Act to deal in poisonous substances. Now the chemist is dubbed the grocers' "competitor"—an impudent inversion of the true facts—in an assertion to the Home Office. Hewers of cheese and bacon would find medicaments expressly reserved to pharmacists in most Continental countries, where the chemist is given a square deal. The fact is that grocers are "out" to make money out of the chemists' brains: gratitude from such people is impossible. I think it is time our organisations black-listed all firms which have dealings with grocers.—Yours, etc.

PHARMACIST (31/1).

Counter Prescribing

SIR,—Professor (T. H.) Huxley, writing fifty years ago (*C. & D.*, February 3, p. 136), said that it would be utterly impracticable to stop counter prescribing, even if it were possible to do so. Even if dispensing for the chemist and prescribing by the doctor were to be made statutory, it is difficult to see how any legislation could prevent a customer with a headache or a bilious attack asking the chemist to make him up a draught to relieve him ; yet strictly speaking this would be counter prescribing. Under present conditions customers come to chemists with their ailments for three principal reasons —first, they may think the complaint or injury is too trivial to take to a doctor ; second, they do not wish to risk running up a long doctor's bill ; and, third, they may have taken doctor's medicine for some time without relief. There are many men who do not care for counter prescribing, but are compelled to do it as their customers expect it ; and it has its safeguards because no chemist would undertake a case which required serious medical attention. There are some busy doctors who do not want to be bothered with trivial troubles. The plea that the shillings of potential patients would be welcome to the doctor in a poor neighbourhood holds good no longer because in a poor district there are a great number of panel patients.—Yours faithfully,

COUNTER (12/2).

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

T. W. E. (4/18).—METAL PASTE.—This is a firm dark blue paste "used on bright metals, brass and chromium to prevent condensation of steam, or to keep the bright appearance in spite of moisture." It was found to consist of hard soap coloured deep blue with, in all probability, ultramarine. There is also present a notable proportion of tin in some form, which appears to be not metallic.

C. W. S. (6/28).—WORMS IN THE CAT.—The animal should be treated with santonin and calomel, or with the following:—

Santonin.	gr. ¼
Ext. fil. mar.	gr. ¼
Ext. arecæ	gr. ¼
Gingerin....	gr. ⅛
Aloin.	gr. ¼

To be given in the morning before food.

New Egg (6/28).—TEST FOR PRESERVED EGGS.—Eggs preserved with waterglass show a distinct crusty deposit on the surface of the shell, as this deposit of silicate formed cannot be removed by washing after removal of the eggs from the preservative solution. Furthermore, since this completely seals the pores of the eggshell, an egg preserved with waterglass almost invariably cracks on boiling unless it has been previously pierced. A solution of phenolphthalein applied to the shells of eggs that have been preserved with lime or waterglass turns red, owing to the presence of free alkali.

Retrospect of Fifty Years Ago

Reprinted from "The Chemist and Druggist," February 15, 1884

A Lecture on Perfumes

On January 30 Mr. Rimmel gave a lecture "On the Sanitary Influence of Perfumes" . . . at St. James's Hall [Piccadilly]. Perfumes, he said, besides acting as tonics and promoting, when used as lotions, the circulation of the blood, were antiseptics and disinfectants. According to the doctrines of M. Pasteur, which were now almost universally adopted, infection was due to the agency of organised germs ever present in the atmosphere. . . . As a modern instance of the preservative effect of perfume, he mentioned the wonderful immunity from cholera which perfumers' workshops enjoyed, both in London and Paris, during the various invasions of the disease. . . The essences he chiefly recommended as disinfectants were eucalyptus, lavender, rosemary, thyme, peppermint, and pennyroyal.

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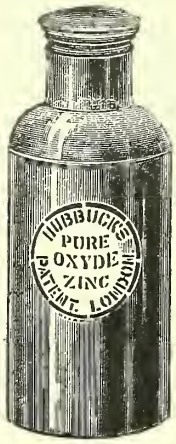

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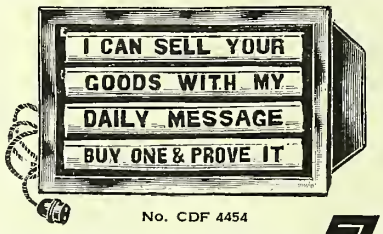

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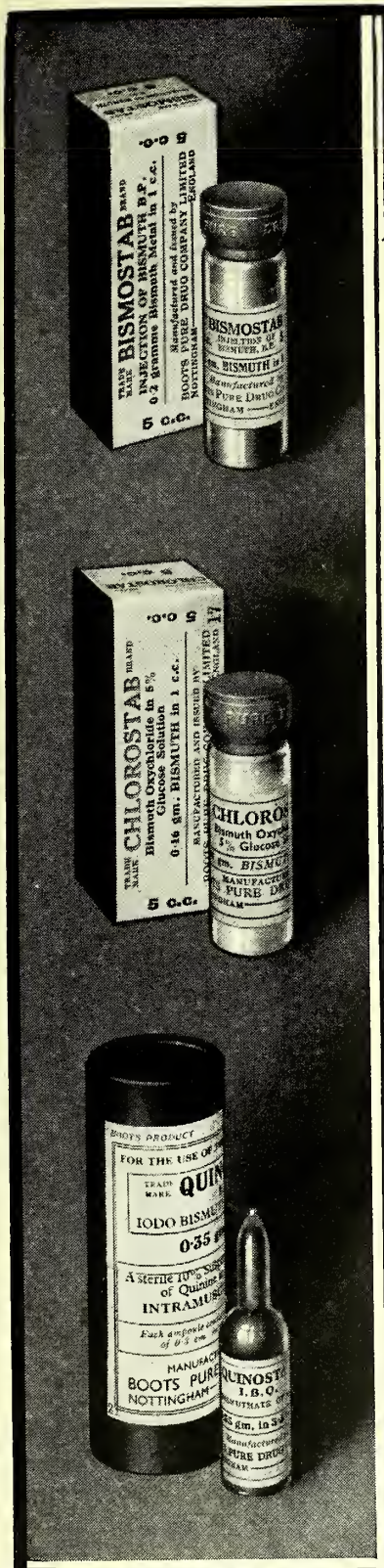

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Brit. Med. J. 1932, ii, 755.

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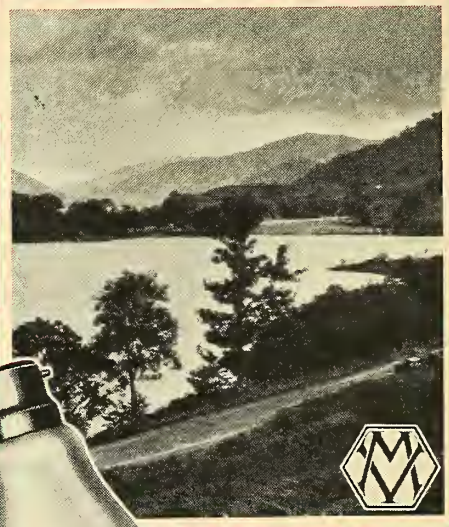

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The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is Inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C. 2

FEBRUARY 17, 1934

ADVERTISEMENT TARIFF

ALL ADVERTISEMENTS are PREPAID, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

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3.—LONDON, N.W. (GOOD-CLASS SUBURB).—Middle- and High-class Retail Business; returns £2,300; increasing; main-road shop, very nicely fitted and fully stocked; modern house; price £500 for goodwill, plus stock and fixtures at valuation.

4.—PADDINGTON (NEAR).—Middle- and Working-class Business; panel over £500 per annum; returns £2,200; good profits; comfortable house; reasonable rent; long lease; valuation terms entertained.

5.—CHALK FARM (NEAR).—Main-road Cash Retail Business with good panel; returns average £2,500 per annum; rent £110; two flats over; scope for increase; valuation terms entertained.

6.—KENT (SUBURBAN).—General Retail Business; good panel; net profit approximately £300 per annum; rent £45; sublet £65; held on lease; price £650 or near offer.

7.—CHARING CROSS (NEAR).—Cosmopolitan trade; Kodak Agency; returns £2,200, under management; net profit £500 per annum to manager-proprietor; reasonable rent; lease; price £1,350; genuine reason for disposal.

8.—EAST LONDON.—Main-road Working-class Business; N.H.I.; established over 100 years; takings, under management, £1,200; scope; stock and fixtures worth £500; low rental; any trial granted; first reasonable offer accepted; vendor going abroad.

9.—WEST LONDON (SUBURBAN).—Main-road General Retail Business; N.H.I. about £250 per annum; returns exceed £1,700; good profits; low rental; lease; price about £450, plus valuation.

10.—EALING.—Good Middle-class Family Retail Business with Kodak Agency; returns £2,250; good profits; excellent house; price £1,550; owner retiring.

11.—SUTTON (NEAR).—Cash Drug Stores; scope for panel; takings average £30 per week; very good living accommodation; reasonable rent and long lease; genuine reason for disposal; price £900, or valuation terms entertained.

12.—HANTS.—Good-class Business with photographic, taking £25–£30 per week; very nice shop, handsomely fitted and fully stocked; very good living accommodation; gardens, orchards and garage; rent £80 per annum; long lease; price £250, plus stock and fixtures at valuation.

13.—DEVON.—Country Retail Business; returns about £1,200 per annum; good profits; nice house; reasonable rent; immediate sale desired; price £350.

14.—ESSEX COAST.—Cash Drug Store with Kodak Agency; returns average £900; good profits; double-fronted shop; nice house; rent £75; lease 17 years; price £375, plus stock, which is optional; vendor retiring.

15.—SOUTH COAST.—Good-class Dispensing Business; established very many years; net profit £750 per annum; long lease; reasonable rental; genuine reason for disposal; price £3,000.

16.—KENT COAST.—Cash Drug Stores; established 12 years; returns exceed £1,100 per annum; net profit approaches £300; good living accommodation; rent £65; further details on application.

17.—SOUTHEND-ON-SEA.—Light Family Retail Business; Kodak Agency; returns £1,400; net profit £400; comfortable house; stock and fixtures worth £650; price £700.

18.—NORFOLK COAST.—Light Family Retail Business for immediate disposal; returns £1,330; net profit £322; nice house; low rental; price £800.

19.—BEDS.—Drug Store, at present returning about £10 per week; large house, with private entrance; rent £65; new lease; stock and fixtures £375; offers invited.

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(C2) BIRMINGHAM SUBURB.—Established business situated on busy main road, for disposal owing to retirement; turnover approximately £2,350 per annum, with adjusted net profit £600 (approximately); low rental; good house; price £2,250, but open to offer.

(C3) SOUTH DEVON.—Progressive modern pharmacy, with freehold, situated in growing residential area; present returns approximately £1,400 p.a.; net profit upwards of £300; good living accommodation; price £700, plus property, upon which a substantial mortgage could be arranged if desired.

(C4) LONDON, N.W.—Modern business, with excellent self-contained house, situated in growing area; turnover about £2,250 per annum and increasing; no near opposition; price £2,000 or near offer.

(C5) WIMBLEDON (NEAR).—Good retail business, with living accommodation; turnover approximately £2,000 per annum; net profit about £450; reasonable rental; good scope for increase; price £1,150 or near offer.

(C6) LONDON, S.E.—Exceptional opportunity for chemist with limited capital to purchase a business at a very low figure, part of which could remain if necessary; turnover for 1932–33, £944, with net profit £220; rent and rates £80; further details upon application.

(C7) LONDON, S.E. (OUTER SUBURB).—Elegantly fitted lock-up pharmacy, situated in busy shopping thoroughfare, can be acquired at an all-in figure of £500; the business has been neglected, but offers plenty of scope for development; turnover for 1932–33, £920; rent £80; full details upon application.

(C8) LONDON, EAST.—Old-established lock-up pharmacy, with extensive N.H.I. panel; present turnover approximately £1,200 per annum; rent and rates £71 10s.; no near opposition; price £550 all-at, part of which could remain.

(C9) KINGSTON-ON-THAMES (NEAR).—Good profit-earning business with low overhead expenses; present returns approximately £1,550 per annum, and increasing; net profit about £400; no opposition; price £900 all-at, or near offer.

(C10) WIMBLEDON (NEAR).—Drug store with exceptionally attractive premises, situated in growing residential district; good living accommodation; reasonable rental and purchase price; present turnover approximately £30 per week.

(C11) LEEDS.—Corner pharmacy situated on main road of working-class district; turnover for 1933 upwards of £1,850; rent and rates about £92, including living accommodation; good lease; price £850 or near offer.

(C12) BRIGHTON.—Attractive pharmacy, with small house above, situated on main road of prominent residential district; average returns approximately £20 weekly, with scope for increase, which should be apparent upon inspection; rent £90; lease 17 years unexpired; price about £800.

(C13) ESSEX (NEAR TO LONDON).—Progressive pharmacy, with living accommodation; present returns about £25 per week, and increasing; rent £52; long lease; price £700, or near offer, including good saleable stock.

(C14) LONDON, S.E.—Established retail business with very heavy N.H.I. panel (over 1,100 scripts monthly); turnover approximately £1,400 per annum, with gross profit £550; rent £55, including living accommodation; no near opposition; plenty of scope for extension; price £800, including stock, £400.

(C15) SOUTHERN COUNTY.—Attractive modern pharmacy, situated on main Great West Road, in very pleasant and congenial residential area; turnover approximately £2,000 p.a., with net profit upwards of £400; small self-contained flat, with garage; price £1,350, or near offer; strongly recommended.

(C16) WARWICKSHIRE.—Pharmacy, with living accommodation, situated in pleasant country town; turnover approximately £1,200 p.a., and capable of considerable increase; rent £52; good lease; no near opposition; price £700, or offer.

(C17) BOURNEMOUTH.—Attractive lock-up pharmacy, with exceptionally good internal fixtures; present returns upwards of £1,700 per annum, with definite possibilities of early substantial increase; reasonable overheads; price £1,550, or near offer, which includes a very small goodwill; confidential details upon application.

(C18) HARROW (NEAR).—Progressive modern pharmacy, with good self-contained flat; present returns about £30 per week, and increasing; no near opposition; confidential particulars upon application.

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2.—HANTS.—Good Middle-class Family Retail; in growing district; no near opposition; returns nearly £950, net profit £230; living accommodation attached; stock and fixtures worth £450; price £700.

3.—WESTCLIFF.—Well-established Cash Drug Store, in thickly populated district; returns about £900; scope for increase; good house and shop; low rent, long lease; price £375; stock optional.

4.—GLOUCS.—Unopposed Village Business, returns about £850, increasing; owner retiring; rent £34; lease granted; 6-roomed house and garden; good stock; price £320 or offer.

5.—BIRMINGHAM.—£575 secures Sound Light Suburban Retail; pleasantly situated; returns £20 weekly; low rent; nice house; well stocked; scope for increase; worth attention.

6.—N. WEST COAST.—Light Cash Retail with good Photographic trade; returns average £1,200; main-road position; good house; fully stocked; price valuation, plus £50 goodwill, in all about £750.

7.—ESSEX COAST.—Well-established Middle-class Business, main-road position; returns average £1,350; net profit £348; good house; moderate rent; price £300 plus valuation of stock and fixtures.

8.—LONDON, N.W. (good residential suburb).—Good-class Light Retail, in prominent position, showing steady increase; returns £2,250; gross profits 38 per cent.; audited accounts; very handsome modern pharmacy; excellent flat over; stock worth £750; owner leaving trade; price £2,000; recommended.

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STAFFORDSHIRE.—Pharmacy, lock-up, taking £18 weekly at good profits; N.H.I. 500 monthly; no near opposition; Selo Agency; lease 9 years to run, £45 p.a., rates £10 p.a.; growing district; opportunity for substantial increase; suit beginner with limited capital or branch shop; price £350, including good saleable stock. 594/7, Office of this Paper.

SUSSEX COAST, Industrial Area.—Turnover 1933 £1,250, 1928 over £2,000; shockingly neglected; all Photo Agencies; no N.H.I.; rent £130, sublet £45, rates £20, lease 19½ years; established 75 years; corner premises, near multiple shops; redecorated 1933; price £850; particulars to genuine enquiries only. 596/20, Office of this Paper.

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PARTNERSHIPS.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra)

GENTLEMAN, Ph.C., 33, fourteen years' varied experience, seeks Managership with definite view to Succession or Partnership; good-class family dispensing business with firm medical connections and scope for high-class toilet trade desired; advertiser has excellent general business knowledge, buying, selling and display. 594/27, Office of this Paper.

MANAGER (Qualified) required; business in working-class district; must invest £250; wage, share of profits, interest on investments; suitable post for keen, hard-working man; profits high; increasing; certified accounts. Write only, "XL" 569 Garrett Lane, Earlsfield, London, S.W.18.

PARTNER Wanted, Qualified, either sex, to manage new branch (Bucks); nicely fitted Pharmacy with very good prospects and ultimate purchase if desired; knowledge of Optics an advantage, but not essential; good working-class cash trade; capital required about £250; salary and share of profits. 594/13, Office of this Paper.

WOULD any Young Chemist consider a Partnership with an Experienced Business Man in business, Unqualified, on 50/50 basis? Stock and fixtures valued at £480; present returns £1,100; capital required £200 to £300. Fullest particulars to Chemicus, 7 Mill Street, Ottery St. Mary, Devon.

WINDOW-DRESSING.

HAVE A JACKMAN WINDOW!

LET an Experienced Display-man solve your window problems. Jackman displays make the most of the goods. Chemists' windows dressed singly or in series; special inclusive rates for contract work, prices including showcards, tickets and loan of fitments. A. A. JACKMAN, Window Display Expert, 91 Woodyates Road, London, S.E.12.

APPRENTICES.

WANTED.—Apprentice (North London district), good-class pharmacy; personal supervision. Apply 235/466, Office of this Paper.

NAMES AND ADDRESSES.

When sending advertisements for any of the sections in this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not followed and delay and disappointment ensue. Strict attention to this detail will be appreciated.

SITUATIONS OPEN.

RETAIL (HOME).

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

BIRMINGHAM.—Qualified Lady or Gentleman required; experienced; to manage branch shop; state salary, age and experience; letters unanswered in 7 days respectfully declined. Baikie 187 Warwick Road, Greet, Birmingham.

BRISTOL.—Lady, Qualified (with Counter experience); apply with full particulars, age, experience, salary; applications not answered within 7 days respectfully declined. 595/32, Office of this Paper.

CAMBRIDGE.—Qualified Lady Assistant required; good Dispenser. Apply with full particulars, age, salary, &c., to S. F. Barker, 46 Chesterton Road, Cambridge.

LONDON, N.—Manager, Qualified Optician; quick Counter trade; age about 24; state salary required. 595/7, Office of this Paper.

LONDON, N.—Manager required for good-class Dispensing and Photographic business; aged 30-40; must be well educated and have had first-class Dispensing experience and a good knowledge of buying; excellent references and a minimum capital of £500 will be required; to live over business. Apply 595/27, Office of this Paper.

LONDON, S.E.—Qualified Manager used to quick Counter and N.H.I.; living accommodation. Apply, giving full particulars, to 595/28, Office of this Paper.

MANCHESTER.—Qualified Manager, at once, for small branch business; moderate salary, with commission on results; married; free house and electricity; age not over 45. Apply Clegg Smith, 70 High Street, Chorlton-on-Medlock, Manchester. Phone: Rusholme 1588.

WARWICKSHIRE.—Wanted immediately (or would wait for right man), smart Counterman, Window-dresser, preferably able to write Showcards, interested display work; age 22-30. Send copies references, photograph (returnable) particulars experience, height, salary required, whether married, when disengaged, L. H. Lester, Rexall Pharmacy, Nuneaton.

AT ONCE.—Qualified Chemist-Optician for working-class business, preferably over 35; please state age, experience and salary required, which must be moderate; Yorkshire. 594/4, Office of this Paper.

ACTIVE, elderly Chemist, Qualified, for S.E. District; must be moderate salary; convenient hours arranged. Apply (letters only) John, 32 Trinity Square, S.E.1.

ELDERLY Qualified Chemist required; to act as Superintendent; easy post. State lowest salary, references, &c., to 57 Sheffield Road, Chesterfield, Derbyshire.

MANAGER.—Really Capable Qualified Buyer-Manager required; must be energetic and progressive. Apply, stating experience, age and salary, send photo, Secretary, Jarrold & Sons, Ltd., Norwich.

NEAR SKEGNESS.—Young Assistant, either sex, wanted for mixed country business; must have some experience of work in a chemist's shop; outdoors; short hours; reply by letter, giving full particulars. Adams, Chemist, Spilsby.

OPPORTUNITY for keen Qualified Junior, or elderly; commence February 26; smart, capable Window-dresser and Salesman; write, stating age, experience and salary required, with copies of references and photo; live in; Optics an advantage. Joy's Chemists, Ltd., St. Anne's Park, Bristol, 4.

PART-TIME Unqualified Assistant, evenings only, near S.E. London district; state salary and references. 595/4, Office of this Paper.

QUALIFIED Chemist-Optician required at once, to manage new business, market town; reply, stating age, height, experience and salary required, with photograph; permanency. 596/23, Office of this Paper.

QUALIFIED Chemist required for South Essex area; light duties. Write, stating salary, "M.," P.C.B. 107/30, Office of this Paper.

QUALIFIED Lady or Gentleman required for recently-established business in North London; experienced; good personality and Salesmanship, capable Window-dresser; keen and energetic; low commencing salary, but excellent prospects. Write fully, including age and salary, BM/ETRE, London, W.C.1.

QUALIFIED Man, shortly, for branch management; not under 25; active, reliable; good Counterman and Prescriber; and with satisfactory recent references; please state full particulars, with photo; interview preferable. Lester, Chemist, 1 Station Road West, Canterbury.

QUALIFIED Chemist wanted at once to manage branch shop, either sex; must be good Counter hand and quick Dispenser. Send references, photograph and wages required to Smith, Chemist, Peterborough.

QUALIFIED Managing Assistant for middle-class business S.W. suburb, March 12; age under 40; give full particulars of age, experience and salary desired; provincial applicants send photo and state when able to come for interview. 594/14, Office of this Paper.

STOREKEEPER for small company, South Coast; previous experience; undeniable references. Apply (photo and usual particulars) 593/4, Office of this Paper.

UNQUALIFIED Assistant (Male); about 25; must be good Window-dresser and D. & P. Worker. State wage and experience to Mulholland, Chemist, St. Albans.

UNQUALIFIED Assistant, male, Wanted; under 30 preferred; must be an accurate Dispenser and accustomed to quick counter trade. Apply, stating age, experience, salary required, to Head Office, Wm. Fox & Sons, Ltd., 109, 111, 113 Bethnal Green Road, London, E.2 (10 minutes from Liverpool Street).

WANTED at Once, for the country, Qualified Assistant; capable and experienced; reply, stating age, height, salary required, with photograph and copies of references. 595/37, Office of this Paper.

WANTED, competent Manager to take Sole Charge of good-class suburban business; must be man of ability with good references; full particulars, age, height, experience, salary required; applications unanswered 5 days respectfully declined. 594/24, Office of this Paper.

WANTED, for N. London, recently Qualified Assistant; must be used to N.H.I. Dispensing; good Counterman, smart Window-dresser; enclose photo with stamped addressed envelope for return. 235/465, Office of this Paper.

WANTED.—Qualified Lady or Gentleman, assistant with Optics, but not necessary; middle-class trade; £3 a week and 50 per cent. optics. 595/19, Office of this Paper.

WANTED.—Unqualified Assistant (young) for small country business in South-West of England; short hours. Apply, giving full particulars as to age, experience and salary required, 594/8, Office of this Paper.

YOUNG Qualified Lady for small light Retail and Dispensing business, Gloucestershire; moderate salary; please state usual particulars and enclose recent snap. 596/18, Office of this Paper.

WHOLESALE.

IRISH FREE STATE.—A London Firm of Manufacturing Chemists requires the services of a Qualified (Irish) Chemist as representative in the Irish Free State; age 26 to 28; applicants can only be considered if they possess a good knowledge of pharmacy, are well educated and of good appearance; previous experience is not essential; when applying candidates should give particulars of their experience and state age and qualifications. 235/461, Office of this Paper.

LONDON Manufacturers marketing new line require Representatives, all areas, with connections among Chemists and allied trades, who can handle another line on liberal commission basis. Write territory covered and goods handled to P.C.B., 108/4, Office of this Paper.

A VACANCY occurs for an energetic young Speciality Salesman to sell Cleaver's Mickey Mouse Toilet Soap to Departmental Stores and Multiple Buyers in England and Wales; qualifications required: mobility, personality, initiative, intelligent and persuasive salesmanship, and the ability to drive a car; the position presents opportunity for advancement. Reply, in confidence, F. S. Cleaver & Sons, Ltd., 4 Lloyd's Avenue, E.C.3.

CHEMICAL Assistant, Lady or Gentleman, with some technical experience, required immediately to supervise new, small London Cosmetics Factory. Full details, with salary, to 596/16, Office of this Paper.

FOREMAN for Finishing Floor high-class Beauty Preparations; must be experienced in similar trade; good salary; permanent. P.C.B. 107/31, Office of this Paper.

PHOTOGRAPHS, TESTIMONIALS, &c.

When answering advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. As can be readily understood, when an advertiser receives from 100 to 150 replies the task of returning photographs, testimonials, &c., is one of some difficulty.

PARAMOUNT PRODUCTS require live Representative for their Midland area; only men of proved ability and good connection amongst Chemists need apply. Apply, stating age and past record, to Paramount Products Co., Paramount House, Denholme, Bradford.

REPRESENTATIVE for London wanted; must have strong connection with Chemists and Hairdressers; preferably married, age 30 to 40; state qualifications in full, age, salary required and whether you own a car; all replies will be dealt with in strictest confidence; interview will be arranged to suit applicant. 235/453, Office of this Paper.

REPRESENTATIVE required for London and South Coast, also for Midlands; must have existing connections Tablets, Packed Pharmaceuticals, Toilets, &c.; no objection to non-competing line; expenses and commission. 235/464, Office of this Paper.

REPRESENTATIVE Required to sell Camera Cases (canvas and leather) to Chemists, as an additional line; good commission; for Southern and Western Counties, also Scotland. 593/39, Office of this Paper.

REPRESENTATIVES required; Chemist connections essential; London area, salary and commission and expenses; Provinces, expenses and commission; give full particulars of line carried, experience, territory, age, when available, references; in confidence. P.C.B., 108/9, Office of this Paper.

REPRESENTATIVES with a live connection among Doctors, Hospitals, &c., are offered two unique side-lines, on good commission basis; state lines carried and ground covered. P.C.B. 107/29, Office of this Paper.

WANTED, by leading house of Manufacturing Chemists not doing big publicity, Manager of Advertising and Stationery Departments; knowledge of Drugs and previous experience essential. 235/463, Office of this Paper.

SITUATIONS WANTED.

RETAIL (HOME).

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A.A.A.—ASSISTANT; excellent experience Dispensing, Window-dressing, Counter; capable and reliable. P. S., 60 Pennard Road, Shepherds Bush.

A.A.A.—M.P.S. desires post in good-class Family business; 7 years' experience; capable and keen. Pharmacist, 24 Hill Crescent, Surbiton.

A.A.A.—QUALIFIED (26); thoroughly experienced Scot; Windows, Photographics, Dispensing; Manager or Senior; excellent references; ambitious; present position unsuitable; only progressive permanency entertained; free short notice. 594/28, Office of this Paper.

A.A.A.—£3 10s.; M.P.S. (36); disengaged; experienced Manager or Assistant; good Salesman; trustworthy; excellent references; London only. 596/7, Office of this Paper.

A.A.—FIRST-CLASS experienced Man; town or seaside; tall; unregistered; Photography; permanency; disengaged; married. MacLellan, Wotton-under-Edge, Glos.

A.—ADVERTISER, Unregistered (38), tall; business increaser, active, conscientious, obliging, abstainer; now free. Sanders, 93 Bulstrode Road, Hounslow, Middlesex.

A CAPABLE young lady, 10 years' excellent experience, dispensing, book-keeping, Hall's qualification, desires Post with Doctor: salary £2 10s. 594/40, Office of this Paper.

A QUALIFIED Chemist, with ability, initiative and tact, desires position as Manager; experienced in Window-dressing and General Display, Photographic, Surgical, Dispensing; knowledge of Optics; permanency; London or near. "Viride," 596/9, Office of this Paper.

A QUALIFIED Manager or Assistant, disengaged, 20 years' experience, requires position, London or suburbs. Davies, 109 Alexandra Drive, Surbiton, Surrey.

A SMART Young Lady, with 7 years' experience, requires position as Chemist's Counter Hand; Croydon or Sutton district. 596/5, Office of this Paper.

AN M.P.S., F.N.A.O. (26), desires permanency; excellent experience Management, Buying, Counter, Photographic, Display, &c.; own optical equipment; keen, capable worker; disengaged February 14. Jamieson, Walton Avenue, North Shields.

AS Locum, Manager or Assistant, "not registered"; over 30 years' London experience; whole or part time; Counter, Book-keeper, Dispensing and worker; London only. "Prescriber," 130 Scott-Ellis Gardens, N.W.8.

AS LOCUM or Assistant, Unregistered, whole- or part-time; experienced Dispenser, Counterman; capable, reliable; middle-aged; small salary. 594/9, Office of this Paper.

AS Manager or Assistant; 25 years in present position; good all-round experience Counter, Dispensing and N.H.I. 596/2, Office of this Paper.

ASSISTANT or Manage Branch Surgical Store; drugs and sundries; expert truss and abdominal belt fitter, &c.; smart; middle aged; references, &c.; salary 40s. Lambert, 88 Langley Road, Smallheath, Birmingham.

ASSISTANT or Manager, Unqualified, locum or permanent; 25 years' excellent experience (all departments) and references. c/o 15 Harcourt Avenue, Southend-on-Sea.

ASSISTANT (24), Qualified; 8½ years' retail experience (including West End); absolutely reliable. 90 St. Paul's Avenue, Kenton, Middlesex.

ASSISTANT (24), Part I; Dispenser, Window-dresser and Salesman; London preferred, but not essential; willing and able. 594/5, Office of this Paper.

ASSISTANT; 25 years' first-class experience; Dispensing and Counter; single; active; unregistered. Statim, 10 Dorset Street, Birkby, Huddersfield.

ATTRACTIVE Personality; experienced Dispenser, pushful Counterman, Photographic and Window-dressing efficiency; sound testimonials. "Accurate," 21 Disraeli Road, Putney, S.W.15.

CHEMIST AND DRUGGIST, 13 years' experience; window dresser, poster writer; smart salesman; Charge or Head Assistant; London preferred. 595/15, Office of this Paper.

DISENGAGED.—Locum; any distance or period; part time entertained in any London area. Bishop, 56 Rudloe Road, Balham, S.W.12.

DOCTOR'S Dispenser—Book-keeper; gentleman; long varied experience; could assist Chemist, Retail or Wholesale; any capacity; ex-Serviceman. 65 Cloudesley Road, N.1.

LADY Assistant, Unqualified! Dispensing and Counter; free at week's notice; good references. "Aspirin," 115 Balfour Road, Ilford, Essex.

LOCUM; M.P.S.; elderly; good references; moderate terms; short or part day if required, would be preferred; disengaged February 19. J. S. Wellburn, c/o Mrs. Brock, 10 Leyland Road, Lee, S.E.12.

LOCUM, Qualified (21½); good experience Dispensing and Counter; excellent references. Tennant, Oakville Road, Hebden Bridge, Yorkshire.

LOCUM (36), Qualified; Manager or Assistant; all-round experience. Chemist, 50 Grove Lane, Camberwell, S.E.5. Phone: Rodney 2719.

MANAGER or Senior (58); most reliable; recently proprietor; good class; energetic and obliging. 18 Southfield Road, High Wycombe.

MANAGER (29), married, desires permanency; excellent all-round experience; accustomed to heavy N.H.I.; Provincial and London experience; London only. "Chemist," 121 Northfield Avenue, Ealing, W.13. Phone: Ealing 2608.

M.P.S. J.C.Q.O., F.S.M.C. (33), tall; permanency; Manager; long experience; London and Surrey; reliable; references; London, N.8. P.C.B. 108/18, Office of this Paper.

M.P.S. (middle-aged); competent Manager; well educated and reliable; married. C. Lambert, 15 Robert Road, Birmingham, 20.

PHARMACIST Requires position as Manager; seaside or country preferred; living accommodation is available; well experienced in all branches of business. Pharmacist, 9 Alfoxton Avenue, Harringay, London, N.15.

PHARMACIST (45), 30 years' Hospital and Retail experience, desires position; disengaged; excellent references; conscientious, capable and energetic. 235/467, Office of this Paper.

QUALIFIED; emergency; part-time; relief. Phone: Byron 2074.

QUALIFIED Lady, Registered, Square trained, Retail and Hospital experience, requires evening work except Thursdays and Saturdays; Greenwich district preferred. Pharmacist, 116 Auckland Road, Upper Norwood, S.E.19.

QUALIFIED Lady (28), 6 years' experience Manageress, desires position as same; good Dispenser and Window-dresser; Scotland preferred. 595/40, Office of this Paper.

QUALIFIED Manager (49); disengaged; honest, capable, abstainer; salary £3 to £4 10s. weekly, according to turnover; London or suburbs. 596/13, Office of this Paper.

QUALIFIED, well recommended; accurate Dispenser; part time considered; middle-aged; disengaged; London only. Alex. Wilson, 14 Percy Circus, London, W.C.1.

QUALIFIED (23) desires post as Manager or Assistant; good references; willing; not afraid of work; free shortly. 594/25, Office of this Paper.

QUALIFIED (26); 8 years' High-class Dispensing experience; disengaged; distance immaterial; Retail or Wholesale. "Gibbon," 257 Pershore Road, Birmingham.

QUALIFIED (25) requires situation as Assistant in London or suburbs; good counterman; accurate dispenser; N.H.I. and private. 595/26, Office of this Paper.

QUALIFIED (46), single; experienced; reliable; trustworthy; short hours or light duties; £3 weekly; management small business considered; exceptional references. Harris, 26 Alma Road, Carshalton, Surrey.

REFINED Young Lady (25), with £100 to invest, desires position, Toilet; Chemistry recent experience. 595/38, Office of this Paper.

UNQUALIFIED Male (32), tall, excellent Dispenser, Counter, Photographics, seeks position accessible Clapham, where permitted finish Tuesday, Thursday, 7 p.m., attending Part I classes; modest salary and willing worker; free March 17. Irwin, 51 Alexandra Road, Wimbledon, S.W.19.

UNQUALIFIED (30); competent Salesman and Dispenser, Window-dressing and Photographics; 16 years' experience; references. H., 26 Langler Road, N.W.10.

YOUNG Lady (21) desires post as Unqualified Chemist's Assistant; 3 years' experience Counter, Dispensing, good Window-dresser; well educated; good reference; London preferred. D. Papworth, Swaffham, Norfolk.

YOUNG Lady (19) requires experience as Dispenser; London district, S.W.; small remuneration only; whole or part time. Draper, 45 Upper Tooting Road, Tooting, S.W.17.

£2 WEEKLY.—Young Lady; Hall Certificate; 3 years' good experience Dispensing and Counter; desires change. 593/14, Office of this Paper.

£2 2S.—Unqualified (23; 6 ft. 3 in.); disengaged; go anywhere; any capacity; 7 years' experience; good references. 79 Keighley Road, Colne, Lancashire.

WHOLESALE.

A LIVE Representative with 14 years' connection Departmental Stores and Retail London and suburbs seeks change, Toilet and sundries. P.C.B. 108/6, Office of this Paper.

A REPRESENTATIVE with prize record desires position with house of repute; sound connection with Chemists, Hairdressers and Departmental Stores; covering Midlands, London and Southern Counties. 596/10, Office of this Paper.

ADVERTISER, experienced Retail, Wholesale, Export, seeks lines for Drugs, Chemicals, Sundries; commission basis. Nixon, 54 Ashbourne Avenue, N.W.11.

ADVERTISER with wide managerial experience (Manufacturing Druggists, Perfumery and Sundries) is open for position in Wholesale House as Manager or Sales Manager; highest references. 594/31, Office of this Paper.

AGENCIES Required.—Traveller regularly working South Wales, Monmouth, Hereford, Gloucester, Worcester and Warwickshire requires additional Agencies; excellent connection of 17 years' standing with leading Chemists and Stores. 594/12, Office of this Paper.

AS Representative; Young energetic Man (30), with personality and appearance, desires to join established Wholesale House; 12 years Retail and some Travelling experience; own car. 235/462, Office of this Paper.

ASSISTANT (37), Unqualified, desires permanent post (Wholesale); 10 years' general experience with last; good references. 21 King Street, Frome.

EDUCATED Representative, London Matric. and Minor degree; successful Salesman Wholesale and Retail Chemists; experienced propagandist doctors; thorough knowledge Vaccine and Biological Therapy; shortly disengaged. "Ian," 32 Myddelton Square, E.C.1.

FIRST-CLASS Salesman, with car, requires post with London firm. I will guarantee sales increase. Write to Abovpar, 9 Gibbon Road, Nunhead, S.E.

FOREMAN, Wets, Drys or Manufacturing; 12 years last position; disengaged; go anywhere. Dennett, 7 Quernmore Road, Stroud Green, N.4.

NORTHUMBERLAND, Durham, Yorkshire; Traveller with excellent connection desires change; long experience proprietaries; splendid references; own car; resident Leeds. 596/11, Office of this Paper.

REPRESENTATIVE (37); Public School; five years with present firm; experience includes propaganda amongst Doctors, Market Research, &c.; desires similar post with firm of repute. 596/14, Office of this Paper.

SALES Managership or sole London Agency, whole or part time, required by experienced Sales Manager; capable Traveller and energetic Organiser. P.C.B. 108/11, Office of this Paper.

SOUND Additional Representation with estahlished connection required by advertiser calling upon Chemists in South-Midland and South-Western Counties, Drugs excepted; full-time salaried post considered; own car. 593/37, Office of this Paper.

SURGICAL INSTRUMENTS AND APPLIANCES.—Wanted situation, Manager or Assistant; lifetime's experience of trade; accustomed to sole charge, and experienced Appliance Fitting; good references. Please write 596/12, Office of this Paper.

YOUNG Man requires position as Representative to reputable firm; keen, enthusiastic, hard worker; little experience; now engaged Retail; own car; North Wales preferred; Essex and Eastern Counties. 594/15, Office of this Paper.

YOUNG Qualified Man desirous joining representative staff established and well-known manufacturing or wholesale house; first-class retail and some travelling experience; Northern England or Scotland; excellent references. 595/24, Office of this Paper.

FOR SALE.

(Articles to the value of £5-£50.)

BOTTLE Filling Machine, Barnett & Foster, 4 heads, automatic measuring up to 30 oz.; excellent condition; £15, carriage paid. Also Premier Emulsifying Mill, Burt Boulton, £7 10s. Thomson, Chemist, Elgin.

NATIONAL Cash Register for Sale, in perfect order, amount keys to £2 9s. 11½d. Write R. Williams, 20 Edwards Road, Burdett Road, Bow, E.3.

TWO Window Floodlight Signs, 5 ft. by 10 in., bronze finish, "Chemists," showing white opal letters, bronze stencil complete with chains, wired six holders each. Maitland's, 175 Piccadilly, W.1. Regent 1975.

MISCELLANEOUS.

CHEMISTS' FITTINGS.—We hold an immense stock of Drug Fittings, Dispensing Screens, Glass-fronted Counters, Perfumery Cases, Nests of Drawers, Wall Cases, Silent Salesmen, Upright and Flat Counter Cases, Plate Glass Counters, Cash Tills, Display Stands and Glass Shelves, &c., at competitive prices. F. MAUND & E. BERG (SHOWCASES), LTD., Shop Fitters and Shop Front Builders, 175/9 Old Street, London, E.C.1.

CHEMISTS' Printers' Stock; surplus; clearance prices; Dispensing Labels, 25,000 assorted as desired, 25s.; Latin Labels, 8d. per 100; Assorted Methyiated Spirit Registers, 7d.; Stock and Dispensing Labels, chemist's own name and wording, assorted, 25,000 for 50s.; Insurance Dispensing Window Bills, 6 for 1s. 6d.; other Window Bills, all wordings, 12 for 1s. 8d., assorted; Set of 2 Large, 4 Small Strutted Optical Showcards, with two Optical Window Bills, 1s. 10d. Samples of everything, 1s. All postage paid. "Theownli," 35 Port Street, Manchester, 1.

COMPLETE Second-hand Set of Modern Mahogany Fittings, comprising 10-ft. Glass-fronted Counter, 12-ft. Drug Fitting, 8-ft. "Ideal" Dispensing Screen, 8-ft. Wall Showcase. Write for particulars or call PHILIP JOSEPHS & SONS, LTD., 90/92 St. John Street, Clerkenwell, E.C.1. Telephone: Clerkenwell 2191. "Pharmacy Fitters for over a Century."

Price lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

CLEAR OUT—your Old or Damaged Stock of Photo Goods.
Why keep them any longer? Turn them into CASH.
I GIVE BEST PRICES for Old Films (damaged, fogged or expired dates); Packet Papers. Cards (any sizes). Old Photo Goods or Cameras. Bromide Papers. Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.
S. E. HACKETT, 23 July Road, Liverpool

FOR SALE.—Gardner Fine Powder Dresser, with two C.I. Stands for same; also Johnson Filter Press with 15-in. diameter plates. 235/456, Office of this Paper.

FOR SALE.—Gas-heated Batch Drying Machine with Gear, Fast and Loose Pulleys; also Ball Grinding Mill or Pulveriser. 235/459, Office of this Paper.

FOR SALE.—Iron Edge Runner Mill with 44-in. diameter Pan, runners 21 in. by 6 in., underdriven, fast and loose pulleys. 235/457, Office of this Paper.

FOR SALE.—Size E. Gardner "Rapid" Sifter and Mixer, suitable for Tooth Powders, with Gear, and fast and loose Pulleys; also 100-lb. capacity Gardner Mixer only; both in good condition; can be seen by appointment. 235/458, Office of this Paper.

FOR SALE.—Steam-jacketed Copper Boiling Pan with draw-off cock; jacket tested to 80 lbs. hydraulic pressure. 235/454, Office of this Paper.

FOR SALE.—Steam-jacketed Drying and Mixing Machine, hatch type; also 9 in. by 16 in. Triple Granite Roller Mill; may be inspected. 235/460, Office of this Paper.

FOR SALE.—Triple Granite Roller Mill with granite rolls 6 in. by 12 in.; also small Breaking or Kibbling Mill with rolls 5 in. by 5 in. 235/455, Office of this Paper.

LIMITED COMPANIES REGISTERED.—I have now been engaged in this work over 20 years, so you may rely that my experience in Chemist and other Companies (I take all trades) is hard to beat. Most reasonable and inclusive Fee. Advice free. A. B. SLACK, 721 Princess Road, West Didshury, Manchester.

£?—COMPLETE CHEMIST FITTINGS at any price you wish to pay. We have erected in our showroom a Complete Chemist's Shop with Metal Shop Front, Window Backs, Correct Window Lighting Signs and Modern Interior Fittings. Apply for Lists. D. MATTHEWS & SON, LTD., "The Liverpool Shop Fitters," 14 and 16 Manchester Street, Liverpool. Est. 1848.

EXCHANGE COLUMN.

WANTED.

MICROSCOPE, powerful, for Botanical work; state full particulars and price. Write Botanist, 596/32, Office of this Paper.

MIXING Machine required for Beauty Creams; state capacity and full particulars. R. V. Wagner, 33 Brooke Street, London, E.C.1.

THE SUPPLY OF SUPPLEMENTS

On receipt of addressed Post Office Wrappers (not more than six at a time) stamped 1d. the Chemist and Druggist Supplement will be forwarded without cost.

LOOSE STAMPS WILL NOT BE ACCEPTED

If wrappers bear a halfpenny stamp only, postal delivery may be delayed.

PERFUMERY TOILETRIES

•

This is the time of the year when wholesale buying is done in PERFUMERY AND TOILET ARTICLES, particularly for Overseas trade.

This year conditions are specially favourable for securing new business, but the goods must be advertised.

•

THE SPECIAL ISSUE

MARCH 17, 1934

Offers you an opportunity for bringing your goods to the notice of potential buyers at Home and Abroad. The Perfumery Section on that date will be printed on tinted paper. There will likewise be a Photogravure Section.

Particulars of space and charges may be obtained from the Publisher,

The CHEMIST and DRUGGIST
28 ESSEX STREET, STRAND, LONDON, W.C.2

Branches at MANCHESTER, GLASGOW, SHEFFIELD, MELBOURNE, PARIS

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